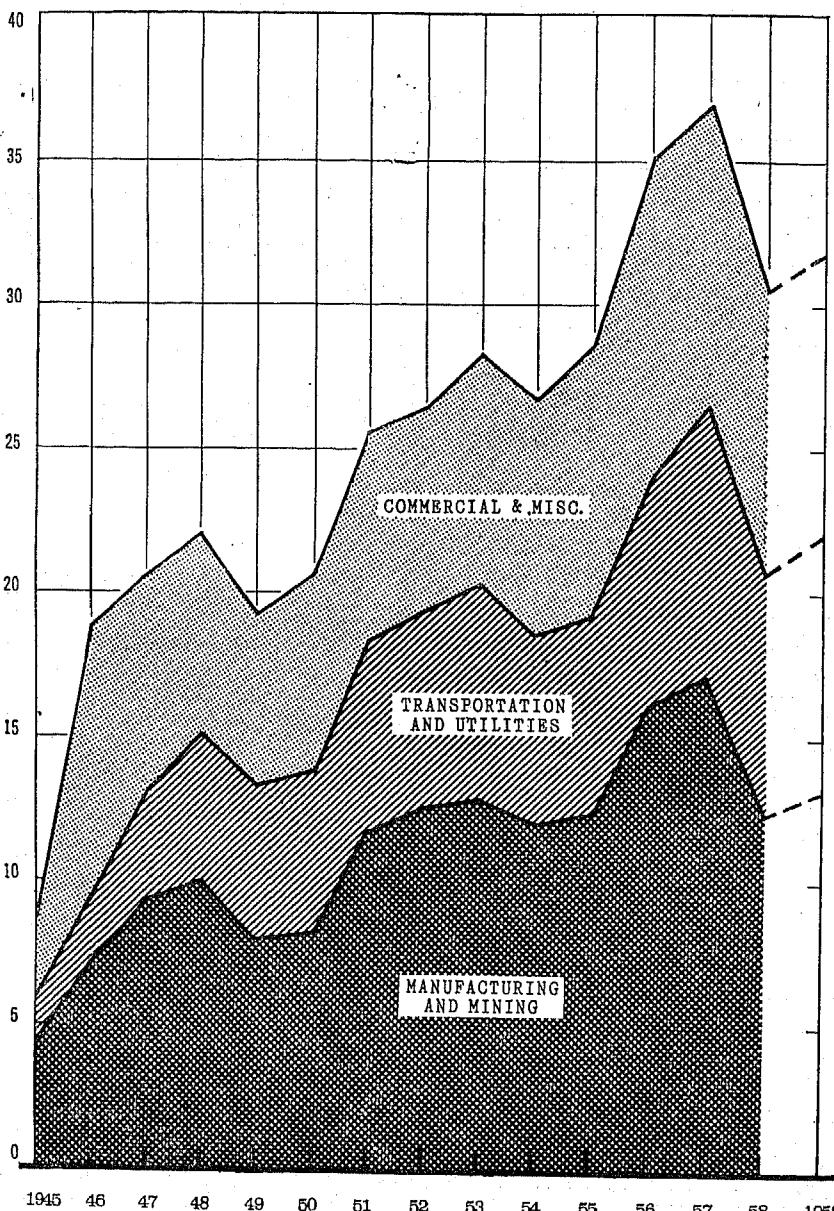


FIG. XXIX. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1945 TO 1959

[Excludes agriculture. See table 631]

Billions of dollars



* Anticipated by business.

Source: Securities and Exchange Commission and Department of Commerce, Office of Business Economics.

Section 17

Business Enterprise

Statistics in this section relate in general to the place and behavior of the business firm and business initiative in the American economy. The data include measures of and changes in the numbers of businesses; assets and liabilities of corporations; types of business income and expenditures; business sales and inventories; and consumer cooperatives.

The principal sources of these data are the *Survey of Current Business* and its *National Income Supplement* (1954) and *U.S. Income and Output* (1958), published by the Office of Business Economics, Department of Commerce; the *Federal Reserve Bulletin* issued by the Board of Governors of the Federal Reserve System; and monthly statements published by Dun & Bradstreet, Inc. Other sources are publications of the Securities and Exchange Commission and the Internal Revenue Service.

Firms in operation, entering, and leaving.—The number of firms in existence and the number of new, discontinued, and transferred businesses are estimated by the Office of Business Economics on the basis of data from the Internal Revenue Service and the Bureau of Old-Age and Survivors Insurance.

A business firm is defined by the Office of Business Economics as a business organization under a single management and may include one or more plants or outlets; a firm doing business in more than one industry is classified by industry according to the major activity of the firm as a whole. A self-employed person is considered a firm only if he has either one or more employees or has an established place of business. This count of firms differs from that of the Bureau of the Census which ordinarily represents a count of establishments, e. g., manufacturing plants or retail stores, larger than a minimum specified size.

New businesses include firms which are newly established; discontinued businesses refer only to liquidations. Business transfers represent purchases of going businesses, acquisitions of businesses through inheritance, transfers of businesses to a trustee or executor, as well as changes in the form of business organization.

Industrial and commercial failures.—These data are collected by Dun & Bradstreet, and are available by years since 1857 and by months since 1900. The number of failures includes concerns involved in court proceedings or voluntary actions likely to end in loss to creditors; discontinuances with outside obligations paid in full are not included. Data cover manufacturers, wholesalers, retailers, building contractors, and certain types of commercial service, but do not encompass all business enterprises. Specific types of business not listed are: Finance, insurance, and real estate companies; railroads and steamship lines; amusement enterprises. Failures data are published monthly in summary form in *Dun's Review & Modern Industry*.

Corporate assets and liabilities.—Data on corporate assets and liabilities are from the Internal Revenue Service and the Securities and Exchange Commission. In its annual report, *Statistics of Income, Corporation Income Tax Returns*, the Internal Revenue Service presents balance sheet and income account data for all United States corporations. In a quarterly release entitled *Net Working Capital of U. S. Corporations*, the Securities and Exchange Commission publishes data on the net working capital position of all United States corporations, exclusive of banks, savings and loan associations, and insurance companies, showing the principal components of current assets and liabilities.

Note.—This section presents data for the most recent year or period available on April 22, 1959, when the material was organized and sent to the printer. In some instances, more recent data were added later.

Corporate income, profits, dividends, and taxes.—Several agencies (the Internal Revenue Service, the Office of Business Economics, and the Federal Reserve Board) compile corporate income account data. These data, however, are not comparable because of differing methods of compilation.

The Internal Revenue Service publishes corporate data based on income tax returns in the aforementioned *Statistics of Income*.

The corporate data issued by the Office of Business Economics are a part of its national income and product accounts and are defined as required for purposes of national income estimation. The primary sources of data for the Office of Business Economics estimates of profits, taxes, dividends, and undistributed profits are the original corporate tax returns submitted to the Internal Revenue Service. Various adjustments of the *Statistics of Income* data are required by the national income treatment, particularly with respect to depletion, capital gain or loss, and intercorporate dividends, and because the original corporate income statements do not represent the final stage of information.

Federal Reserve Board data relating to profits and dividends apply to particular industrial segments only, such as large manufacturing and public utility corporations.

Sources and uses of corporate funds.—These data indicate capital requirements of corporations and the manner in which they are financed. Sources of funds are equal to their uses. Certain discrepancies, however, apart from errors in estimation, interfere with this equality. These discrepancies are not particularly significant and are due to omission of such factors as (1) money accruing to corporations from an excess of sales over purchases of used plant and equipment, and (2) transactions in securities held as permanent investments except public offerings.

Business sales and inventories.—Business sales and inventories are defined as the sum of data for manufacturing, wholesale, and retail trade. Sales are estimated aggregate values and inventories are book values at the end of the year. Sales signifies sales or shipments for retail and wholesale trade and billings or shipments for manufacturing. Trade inventories are valued at cost of merchandise on hand, while manufacturer's inventories are valued at the cost price or market price, whichever is lower. The data on sales and inventories for manufacturers are based on annual corporate data through 1954, published by the Internal Revenue Service in *Statistics of Income, Corporation Income Tax Returns*, and on Internal Revenue Service noncorporate data for alternate years 1945 through 1953.

Net change in business inventories.—To ascertain net physical change in nonfarm inventories, book values of beginning and ending inventories of each year are expressed in terms of constant base year prices by means of selected Bureau of Labor Statistics wholesale price indexes appropriate to each industry. Net increment in deflated book value figures is then converted to a current price basis by index ratios of current prices to base year prices. No inventory valuation adjustment is shown for farm inventories because change in farm inventories is estimated (by the Department of Agriculture) from physical quantity data.

Plant and equipment expenditures.—A joint survey by the Securities and Exchange Commission and the Department of Commerce presents quarterly data on actual plant and equipment expenditures, and on anticipated expenditures for the next two quarters. In addition, a survey is made at the beginning of each year of plans of business as regards capital expenditures during that year. The data are based on reports submitted by corporations registered with the Securities and Exchange Commission, by transportation companies under Interstate Commerce Commission jurisdiction, and by a large sample of nonregistered companies, unincorporated as well as corporate, reporting to the Department of Commerce.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, 1789-1945*, series P 176-187") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*, and its *Continuation to 1952*. See preface.

NO. 612. NUMBER OF FIRMS IN OPERATION, 1929 TO 1959, AND NEW AND DISCONTINUED BUSINESSES, 1940 TO 1958

[In thousands. Excludes firms in agriculture and the professional services. New businesses include only firms which have been newly established; going concerns which have been purchased are considered business transfers. Discontinued businesses include closures of all kinds without reference to reason for discontinuing—e.g., failure, retirement, illness of proprietor, etc.]

STATUS OF FIRMS AND YEAR	All industries	Mining and quarrying	Contract construction	Manufacturing	Transportation, communication, and other public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Service industries
FIRMS IN OPERATION									
Annual averages:									
1929	3,029.0	36.3	233.8	257.0	119.5	148.1	1,327.0	316.2	500.9
1930	2,993.7	33.4	230.2	228.1	116.0	146.6	1,325.5	315.2	598.9
1933	2,782.1	32.8	186.4	166.8	107.6	141.8	1,261.2	281.7	574.0
1935	2,991.9	35.5	180.2	205.0	127.2	157.0	1,387.2	283.8	615.8
1940	3,290.8	35.6	108.8	226.0	149.6	186.4	1,507.4	300.6	626.8
1945	3,113.9	32.2	176.8	258.4	144.2	196.9	1,403.5	310.3	501.5
1950	4,050.7	37.0	370.5	320.7	170.5	266.2	1,815.8	325.5	735.6
Number in operation as of Jan. 1—									
1951	4,067.3	37.0	377.3	322.8	180.7	268.6	1,820.9	326.0	733.0
1952	4,118.2	37.4	387.2	328.2	184.6	275.8	1,830.8	334.6	739.6
1953	4,187.7	37.6	405.3	330.7	192.2	283.1	1,846.1	342.8	749.9
1954	4,230.8	37.8	416.7	331.3	192.9	288.2	1,861.4	351.6	760.0
1955	4,286.8	38.8	429.8	326.1	193.4	291.0	1,874.5	359.5	772.6
1956	4,381.2	40.9	451.7	327.3	200.1	296.9	1,903.2	371.5	789.6
1957	4,470.7	42.2	465.4	332.3	208.4	303.7	1,925.6	383.0	810.0
1958	4,534.4	42.3	467.6	333.0	209.5	310.9	1,947.8	393.3	830.1
1959 ¹	4,589.2	42.0	475.9	331.0	211.8	317.0	1,966.3	403.3	851.0
NEW BUSINESSES									
1940	275.2	5.8	21.0	29.2	16.7	20.4	117.9	14.7	49.2
1945	422.7	4.0	55.8	37.2	26.7	30.2	161.4	22.9	84.5
1950	348.2	4.1	64.1	30.0	21.4	21.6	133.0	18.6	55.5
1951	327.1	3.7	53.7	28.0	24.2	20.7	122.0	20.4	53.3
1952	345.6	3.8	61.5	28.1	25.5	21.4	130.3	20.6	54.4
1953	351.6	3.7	50.8	28.2	22.0	21.1	139.7	21.2	55.8
1954	365.6	4.4	61.6	25.3	22.6	21.3	147.1	22.7	60.7
1955	408.2	5.4	68.7	29.4	26.1	22.3	161.4	27.5	67.4
1956	431.2	5.4	68.0	31.4	30.2	24.2	170.2	28.3	73.5
1957	405.1	4.5	56.1	25.1	24.7	23.4	173.1	26.2	71.8
1958 ¹	411.3	4.2	60.5	24.8	25.8	23.5	167.8	27.7	70.9
DISCONTINUED									
1940	818.1	3.6	80.0	21.7	20.7	13.9	137.6	16.8	73.7
1945	175.6	3.0	16.9	26.4	13.5	7.3	59.2	11.2	38.3
1950	289.0	3.7	39.2	24.7	18.3	16.3	115.0	14.5	57.8
1951	276.2	4.3	43.0	22.7	20.3	13.5	113.0	12.7	46.6
1952	276.1	3.6	43.3	25.5	18.0	14.2	115.1	12.4	44.2
1953	299.4	3.5	48.5	27.7	21.2	16.0	124.4	12.4	45.7
1954	318.7	3.3	48.4	30.5	22.1	17.6	134.0	14.8	48.0
1955	318.8	3.8	46.8	28.2	19.5	17.3	132.7	15.5	50.4
1956	341.7	4.1	54.3	26.4	21.8	17.3	147.8	16.9	53.1
1957	341.4	4.5	54.0	24.5	23.6	16.2	150.0	15.9	51.7
1958 ¹	356.5	4.4	52.2	26.8	23.5	17.4	159.2	17.7	55.1
TRANSFERS									
1945	473.2	2.4	9.9	21.3	11.0	15.7	307.6	21.5	82.9
1950	419.4	2.3	14.8	20.6	10.2	14.4	277.8	16.1	63.1
1951	358.2	1.9	11.3	16.1	8.6	11.3	241.3	14.9	52.7
1952	370.2	1.9	11.0	16.8	9.2	12.6	248.1	15.5	54.2
1953	377.6	1.9	13.5	17.8	9.3	12.7	252.5	15.1	55.4
1954	370.7	1.9	13.2	15.2	9.6	11.9	249.7	15.9	53.3
1955	384.3	2.0	13.4	16.6	9.6	12.6	258.7	16.5	55.0
1956	392.7	2.1	14.0	16.7	10.6	13.3	261.1	16.9	58.0
1957	376.2	1.7	13.2	15.0	9.7	12.4	251.7	16.2	56.2
1958 ¹	372.5	1.7	12.1	14.2	9.3	11.5	249.5	15.8	55.5

ITEM	1945	1950	1952	1953	1954	1955	1956	1957	1958
New incorporations ²	836.1	92.9	92.8	102.5	117.2	139.7	140.8	136.7	150.3

¹ Preliminary.

² Compiled by Dun & Bradstreet, Inc. ³ July to December only.

Source: Department of Commerce, Office of Business Economics; published periodically in *Survey of Current Business*.

BUSINESS ENTERPRISE

No. 613. NUMBER OF FIRMS IN OPERATION, BY STATES AND REGIONS: 1950, 1951, AND 1954

[In thousands. As of January 1. Based on data from Bureau of Old-Age and Survivors Insurance. Firms doing business in more than 1 State counted only once and classified in State of firm's reporting headquarters]

STATE	1950	1951	1954	STATE	1950	1951	1954
Cont. U.S.	4,008.7	4,067.3	4,185.3	Southwest	300.7	310.4	336.8
New England.....	270.3	272.1	270.0	Arizona.....	19.8	19.9	20.0
Connecticut.....	60.9	61.0	63.5	New Mexico.....	16.5	17.2	20.6
Maine.....	27.2	27.8	27.3	Oklahoma.....	54.5	56.2	59.9
Massachusetts.....	131.1	131.5	127.3	Texas.....	209.9	217.2	236.4
New Hampshire.....	17.0	17.4	16.7	Central.....	1,103.2	1,111.8	1,110.6
Rhode Island.....	22.6	22.7	23.6	Illinois.....	271.3	270.1	268.9
Vermont.....	11.4	11.7	11.5	Indiana.....	99.8	100.7	106.7
Middle East.....	1,057.9	1,066.1	1,082.3	Iowa.....	78.4	79.1	82.9
Delaware.....	9.3	9.8	9.6	Michigan.....	161.8	164.3	164.2
Dist. of Columbia.....	22.0	22.2	23.2	Minnesota.....	80.9	81.9	81.8
Maryland.....	51.6	52.9	53.4	Missouri.....	109.8	111.5	117.3
New Jersey.....	149.7	151.8	154.3	Ohio.....	202.4	205.4	199.5
New York.....	534.4	537.5	544.3	Wisconsin.....	98.9	98.9	99.4
Pennsylvania.....	261.6	253.7	254.6	Northwest.....	226.5	230.0	229.1
West Virginia.....	39.4	39.2	37.9	Colorado.....	38.3	39.3	39.6
Southeast.....	608.1	628.0	687.3	Idaho.....	15.6	15.7	13.4
Alabama.....	49.6	50.6	57.0	Kansas.....	57.2	58.6	63.4
Arkansas.....	35.5	36.0	39.9	Montana.....	18.2	18.0	16.1
Florida.....	84.6	88.8	104.0	Nebraska.....	39.2	39.3	37.4
Georgia.....	63.5	65.6	75.1	North Dakota.....	15.1	15.4	15.0
Kentucky.....	52.5	54.7	55.7	South Dakota.....	18.6	18.8	19.4
Louisiana.....	52.6	54.2	62.0	Utah.....	15.5	15.8	16.4
Mississippi.....	32.6	33.3	32.9	Wyoming.....	8.7	9.0	8.4
North Carolina.....	71.8	74.2	83.0	Far West.....	442.1	448.8	469.3
South Carolina.....	36.0	37.4	40.8	California.....	322.6	327.3	342.9
Tennessee.....	61.0	61.7	62.6	Nevada.....	5.9	5.9	6.9
Virginia.....	68.3	71.5	74.1	Oregon.....	48.4	50.2	51.9
				Washington.....	65.2	65.5	67.6

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, November 1954.

No. 614. CONSUMER COOPERATIVES, BY TYPE OF ASSOCIATION: 1956 AND 1957

TYPE OF ASSOCIATION	1956			1957 (prel.)		
	Associations	Members	Business (\$1,000)	Associations	Members	Business (\$1,000)
Credit unions.....	17,113	9,050,827	1,232,168	18,070	9,861,502	1,278,308
Electric power cooperatives ¹	978	4,036,039	425,400	979	4,121,462	453,203
Rural telephone cooperatives ²	203	338,924	(*)	205	360,162	(*)
Group nonprofit voluntary prepayment health plans.....	(4)	7,492,000	204,000	(4)	(4)	\$222,100
Consumers.....	(4)	379,000	8,100	(4)	(4)	5,100
Unions.....	(4)	2,215,000	70,400	(4)	(4)	87,000
Fraternal societies.....	(4)	235,000	2,100	(4)	(4)	1,900
Employers and/or employees.....	(4)	1,012,000	59,100	(4)	(4)	56,400
Communities.....	(4)	3,651,000	64,300	(4)	(4)	71,700
Housing ³	365	36,407	349,830	675	44,966	459,186
Cooperative League insurance companies ⁴	10	11,000,000	350,000	10	11,000,000	\$360,000
Farmer retail supply cooperatives ⁵	7,330	(4)	2,044,272	7,406	(4)	2,144,027
Producers' goods.....	4,500+	(4)	1,340,516	4,500+	(4)	1,399,199
Petroleum products.....	2,789	(4)	495,605	2,794	(4)	529,679
Meats and groceries.....	973	(4)	40,757	971	(4)	48,782
Other supplies.....	4,479	(4)	163,394	4,528	(4)	166,307
Associations principally engaged in supply business.....	3,373	3,443,480	(4)	3,371	3,489,295	(4)

¹ Bureau of Federal Credit Unions, Department of Health, Education, and Welfare.

² Rural Electrification Administration. Cooperatives borrowing from REA, consumers served, and revenue of distribution cooperatives. ³ Rural Electrification Administration.

⁴ Not available. ⁵ Social Security Bulletin, Dec. 1957 and 1958.

⁶ Projects insured by Federal Housing Administration, dwelling units, and value of mortgages as of Dec. 31.

⁷ Cooperative League of U.S.A., *Fact Book on Cooperatives*. ⁸ Premium income.

⁹ Farmer Cooperative Service, Department of Agriculture.

Source: Compiled by Department of Labor, Bureau of Labor Statistics (from sources indicated above).

NO. 615. SALES, ASSETS, PROFITS, AND EMPLOYEES OF LARGEST INDUSTRIAL CORPORATIONS AND MERCHANDISING FIRMS, BY GROUP RANK OF SALES VOLUME: 1956 AND 1957

[Excludes certain large corporations which did not report sales, such as Hughes Tool, New Jersey Zinc, P. Ballantine & Sons, etc.]

CORPORATIONS GROUPED IN ORDER OF SALES VOLUME	1956				1957			
	Sales ¹	Assets ²	Net profits ³	Employees ⁴	Sales ¹	Assets ²	Net profits ³	Employees ⁴
INDUSTRIAL CORPORATIONS								
500 largest, total	Mil. dol.	Mil. dol.	Mil. dol.	1,000	Mil. dol.	Mil. dol.	Mil. dol.	1,000
174,306	139,977	11,501	8,793	188,313	148,897	11,657	9,079	
Lowest hundred	6,916	5,347	501	402	7,378	5,633	373	407
Second hundred	9,880	7,372	604	552	10,580	8,369	655	552
Third hundred	15,492	12,168	886	894	16,720	12,718	894	896
Fourth hundred	27,139	19,743	1,392	1,451	29,081	21,242	1,413	1,557
Highest hundred	114,899	94,346	8,118	5,494	124,593	100,707	8,322	5,866
MERCHANDISING FIRMS								
50 largest, total	28,102	9,637	681	1,148	30,302	10,075	709	(6)
Lowest ten	1,368	526	33	52	1,463	574	36	(6)
Second ten	1,043	798	49	128	2,129	797	49	(6)
Third ten	3,201	1,595	98	238	3,565	1,602	90	(6)
Fourth ten	5,008	1,691	114	174	5,331	1,806	115	(6)
Highest ten	16,583	5,026	388	555	17,784	5,295	410	(6)

¹ For industrial corporations: Net sales, including service and rental revenues for companies that derived at least 50 percent of their revenue from manufacturing or mining; for fiscal years ending not later than Jan. 2, 1957, and Jan. 1, 1958; includes sales of consolidated subsidiaries; excludes excise taxes collected by the manufacturer. For merchandising firms: Net sales for fiscal years ending not later than March 3, 1957, and March 31, 1958; includes consolidated subsidiaries.

² Total assets employed in business, net of depreciation and depletion but including Government securities offset against tax liabilities.

³ Includes special charges or credits and nonrecurring items.

⁴ In most cases, average employment for year; in some cases, year end. ⁵ Not available.

Source: Fortune, New York, N.Y.; annual supplement, *The Fortune Directory* (copyright by Time Inc.).

NO. 616. EMPLOYERS REPORTING UNDER SOCIAL SECURITY ACT, EMPLOYMENT, AND TAXABLE WAGES, BY SIZE OF FIRM: FIRST QUARTER, 1945 TO 1956

[Employers and employment in thousands, wages in millions. Data represent commercial and industrial employers in the scope of *County Business Patterns* (see table 617), but also include estimates for late returns excluded from that publication. Excludes self-employed and railroads. Data for 1945 through 1949 represent all employers reporting. Additional types of employers, first required to report for 1951 and later years, are excluded. An employer is a legal entity, such as a corporation, partnership, or single ownership, for which a single tax return is filed]

ITEM AND PERIOD JAN.-MAR.	Total	EMPLOYEE-SIZE CLASS OF FIRM ¹									
		0	1 to 3	4 to 7	8 to 19	20 to 49	50 to 99	100 to 499	500 to 999	1,000 to 9,999	10,000 or more
EMPLOYERS											
1945	2,001.0	28.3	1,174.3	404.0	233.4	100.5	34.0	25.6	3.2	2.6	0.2
1946	2,280.0	29.2	1,298.0	482.1	293.3	115.9	38.1	27.7	3.1	2.5	0.2
1947	2,486.7	40.4	1,415.7	519.6	314.8	121.6	39.6	28.9	3.8	2.8	0.2
1948	2,590.0	42.4	1,488.5	537.2	325.0	122.3	39.3	29.0	3.8	2.7	0.2
1949	2,639.3	50.0	1,644.8	535.4	317.1	120.0	38.4	27.7	3.1	2.6	0.2
1951	2,776.6	(2)	21,670.9	562.3	333.5	130.5	42.1	30.8	3.4	2.9	0.2
1953	2,813.4	(2)	21,682.4	572.8	340.7	135.8	43.9	31.1	3.5	2.9	0.2
1956 (prel.)	3,006.5	(2)	21,834.0	563.9	381.5	142.3	46.0	32.3	3.4	2.8	0.2
EMPLOYMENT ²											
1945	32,803	0	1,949	2,078	2,759	3,018	2,322	5,269	2,238	6,554	6,623
1946	32,483	0	2,104	2,507	3,498	3,483	2,611	5,581	2,157	6,183	4,270
1947	35,057	0	2,382	2,650	3,704	3,599	2,676	5,782	2,269	6,794	5,201
1948	35,805	0	2,497	2,739	3,832	3,682	2,890	5,779	2,281	6,812	5,513
1949	34,089	0	2,549	2,716	3,732	3,576	2,609	5,485	2,139	6,492	5,391
1951	38,101	0	2,775	2,899	3,987	3,928	2,885	6,122	2,311	7,110	6,084
1953	39,977	0	2,778	2,949	4,007	4,086	3,016	6,095	2,372	7,438	7,177
1956 (prel.)	40,979	0	3,095	2,909	4,555	4,297	3,139	6,349	2,304	7,207	7,124
WAGES ⁴											
1945	\$17,938	\$23	\$662	\$793	\$1,148	\$1,408	\$1,165	\$2,740	\$1,242	\$4,043	\$4,715
1946	16,840	18	779	1,010	1,614	1,800	1,886	2,092	1,160	3,570	2,483
1947	20,805	28	950	1,193	1,917	2,086	1,595	3,542	1,437	4,634	3,523
1948	23,080	35	1,059	1,310	2,112	2,289	1,728	3,847	1,587	4,975	4,188
1949	23,376	42	1,121	1,308	2,204	2,300	1,769	3,754	1,523	4,940	4,297
1951	29,000	(2)	2,390	1,614	2,617	2,872	2,182	4,769	1,882	6,173	5,501
1958	34,030	(2)	2,1,525	1,708	2,923	3,271	2,502	6,244	2,141	7,165	7,480

¹ Measured by employer's pay-period employment.

² Firm size "0" combined with size "1 to 3." ³ For pay period ending nearest to Mar. 15.

⁴ Wages paid by employers for covered employment during period, excluding wages over \$3,000 paid by any one employer to any worker in a calendar year prior to 1951, and over \$3,600 beginning 1951.

Source: Department of Health, Education, and Welfare, Social Security Administration, Bureau of Old-Age and Survivors Insurance.

NO. 617. REPORTING UNITS UNDER SOCIAL SECURITY ACT, EMPLOYMENT, AND TAXABLE PAYROLLS, BY STATES AND FOR OTHER AREAS: FIRST QUARTER, 1956

[Payrolls in thousands of dollars. Data are based on reports of commercial and industrial employers under old-age and survivors insurance provisions of the Social Security Act. A reporting unit is, generally, a single establishment or group of similar establishments of an employer. Excludes self-employed and railroads]

STATE OR OTHER AREA	Employees, mid-March	Taxable payrolls, January-March	Total reporting units	NUMBER OF REPORTING UNITS, BY EMPLOYEE-SIZE CLASS					
				0 to 3	4 to 7	8 to 10	20 to 49	50 to 99	100 or more
				1,817,361	585,080	418,527	174,206	59,707	51,193
Cont. U.S.!	40,377,054	38,929,029	3,106,074						
Alabama	544,003	415,522	40,523	21,973	8,392	6,234	2,452	740	728
Arizona	184,786	175,970	18,127	10,641	3,469	2,509	1,026	288	194
Arkansas	244,607	161,060	27,360	16,080	5,807	3,762	1,330	417	285
California	8,349,243	3,614,355	264,051	153,436	50,288	35,440	15,499	5,339	4,049
Colorado	317,448	290,941	33,577	20,074	6,540	4,348	1,717	506	332
Connecticut	758,613	781,476	47,524	28,729	8,103	6,151	2,648	967	926
Delaware	127,093	135,341	7,736	4,142	1,597	1,220	458	163	156
District of Columbia	224,793	210,643	18,091	9,984	3,487	2,806	1,142	427	205
Florida	831,489	646,265	84,518	48,953	16,533	11,749	4,645	1,626	1,012
Georgia	764,271	568,492	55,478	29,031	11,971	8,791	3,447	1,195	1,043
Idaho	98,130	85,377	12,391	7,446	2,412	1,682	610	153	88
Illinois	2,845,769	3,043,190	190,244	113,312	33,670	24,624	10,815	4,010	3,813
Indiana	1,186,368	1,194,900	78,088	45,229	15,225	10,428	4,298	1,476	1,432
Iowa	475,072	400,263	56,590	36,388	10,385	6,650	2,205	676	486
Kansas	391,647	339,720	43,587	27,089	8,220	5,281	2,036	577	375
Kentucky	476,032	400,131	42,420	24,856	8,015	5,906	2,290	669	594
Louisiana	563,408	472,376	45,279	24,909	8,676	6,938	3,002	985	769
Maine	201,635	159,305	19,059	12,016	3,815	2,334	859	268	287
Maryland	652,430	589,810	43,034	22,809	8,034	6,502	2,812	987	800
Massachusetts	1,476,627	1,354,166	96,737	53,176	10,326	13,881	5,984	2,227	2,143
Michigan	2,046,716	2,387,200	123,115	72,252	23,608	15,807	6,747	2,359	2,252
Minnesota	649,040	607,776	59,704	35,296	11,997	7,088	3,016	950	762
Mississippi	260,616	164,995	25,622	14,105	5,431	3,900	1,419	456	311
Missouri	1,023,341	932,929	81,874	48,442	15,245	10,706	4,470	1,585	1,427
Montana	106,270	96,433	14,273	8,619	2,053	1,865	606	154	76
Nebraska	242,416	191,479	20,808	18,843	5,007	3,465	1,278	384	241
Nevada	62,011	64,261	6,011	3,461	1,203	852	317	85	93
New Hampshire	146,752	119,239	12,542	7,647	2,211	1,618	608	226	232
New Jersey	1,572,962	1,033,789	111,897	69,029	18,874	13,812	6,265	2,227	2,100
New Mexico	126,576	110,804	14,117	7,900	3,028	2,080	750	233	117
New York	4,012,079	5,119,225	376,388	228,323	63,400	48,790	22,171	7,692	6,062
North Carolina	878,773	626,949	63,376	34,069	13,071	9,816	3,790	1,324	1,306
North Dakota	65,388	48,976	11,183	7,162	2,156	1,202	445	124	34
Ohio	2,593,738	2,781,804	157,570	89,396	30,231	21,902	9,347	3,320	3,365
Oklahoma	415,067	389,454	43,715	26,086	8,270	6,841	2,411	675	432
Oregon	352,481	340,735	37,262	23,049	6,508	4,710	1,932	610	425
Pennsylvania	3,047,101	2,636,026	187,853	105,460	36,806	25,882	11,117	4,294	4,294
Rhode Island	235,565	202,507	16,971	9,878	3,018	2,289	1,032	398	350
South Carolina	434,238	302,013	30,422	16,660	6,479	4,621	1,612	525	525
South Dakota	76,785	55,824	13,231	8,686	2,437	1,518	457	89	44
Tennessee	672,978	524,254	51,355	28,997	10,337	7,170	2,883	1,010	949
Texas	1,874,253	1,622,490	171,611	101,063	32,533	22,762	9,571	3,271	2,421
Utah	148,586	135,588	14,157	8,009	2,872	2,007	826	271	172
Vermont	76,586	61,293	7,952	4,838	1,456	1,030	418	107	103
Virginia	699,952	535,189	56,718	30,566	11,904	8,807	3,409	1,076	896
Washington	548,212	592,062	51,731	31,582	9,559	6,555	2,622	817	596
West Virginia	389,062	370,870	29,897	17,458	5,820	4,033	1,524	511	524
Wisconsin	900,393	886,299	73,412	45,562	12,826	9,280	3,444	1,154	1,146
Wyoming	52,381	46,702	7,587	4,547	1,502	1,073	345	88	32
Alaska	20,428	28,544	2,602	1,505	519	349	117	32	20
Hawaii	98,053	74,203	8,171	4,478	1,658	1,260	488	153	134
Puerto Rico	104,038	62,159	11,933	6,479	2,053	1,026	734	369	372
Virgin Islands	4,642	1,551	368	187	60	67	39	9	6

¹ Includes covered employment on ocean-borne vessels; not included in State figures.

CORPORATION ASSETS AND LIABILITIES

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No. 618. ACTIVE CORPORATION ASSETS AND LIABILITIES: 1935 TO 1956

[Assets and liabilities in millions of dollars. See headnote, table 481]

ITEM	1935	1940	1945	1950	1954	1955	1956
Returns of active corporations, number	477,113	473,042	421,125	620,314	722,805	807,303	885,747
Balance sheets, number	415,205	413,716	374,950	569,961	607,856	746,962	827,916
Total assets or liabilities	303,150	320,478	441,461	598,369	805,900	888,621	948,951
ASSETS							
Cash	23,664	41,423	57,717	71,018	81,723	87,375	89,780
Notes and accounts receivable ¹	38,690	42,804	51,630	108,639	158,738	191,770	210,392
Inventories	14,788	19,463	26,007	54,496	62,914	70,020	78,744
Investments, government obligations	21,863	29,570	129,935	109,822	131,400	131,897	122,071
Other investments	90,163	80,429	74,026	96,760	180,553	179,558	198,829
Capital assets ²	100,480	100,214	92,057	144,890	191,437	206,388	225,862
Other assets	13,501	6,514	10,029	12,944	18,627	20,703	23,278
LIABILITIES							
Notes and accounts payable ³	25,332	22,683	24,663	47,143	61,391	76,048	85,116
Bonded debt and mortgages ⁴	49,822	49,199	40,987	65,719	90,797	98,390	108,928
Other liabilities	89,066	110,210	221,280	261,869	374,012	408,726	427,240
Capital stock:							
Preferred	19,533	17,138	14,764	14,906	15,632	15,796	15,827
Common ⁵	82,733	72,292	64,747	70,310	90,730	98,832	103,977
Surplus and undivided profits ⁶	48,828	61,633	83,585	137,361	172,136	192,820	208,064
Surplus deficit	12,163	12,676	8,571	7,068			
Net surplus	80,665	48,957	75,014	129,393	172,136	192,820	208,064

¹ Less reserve for bad debts. Includes loans and discounts of banks.² Less depreciation and depletion reserves. Includes land.³ Beginning 1940, includes bonds, notes, and mortgages payable with maturity of less than 1 year.⁴ Beginning 1940, represents "Bonded debt and mortgages" with maturity of 1 year or more.⁵ Includes stock not designated as to type.⁶ Sum of positive amounts, 1935-50; less negative amounts, 1954-56.Source: Treasury Department, Internal Revenue Service; *Statistics of Income*.

No. 619. CURRENT ASSETS AND LIABILITIES OF U. S. CORPORATIONS: 1945 to 1958

[In billions of dollars. As of December 31. Covers all U. S. corporations excluding banks, savings and loan associations, and insurance companies. 1945-1956 based on Bureau of Internal Revenue *Statistics of Income*, covering virtually all corporations in United States; for 1957-58 estimated (subject to revision), based on data compiled from many different sources, including data on corporations registered with Securities and Exchange Commission.]

ASSETS AND LIABILITIES	1945	1950	1952	1953	1954	1955	1956	1957	1958
Current assets, total	97.4	161.5	186.2	190.6	194.6	224.0	237.9	242.0	243.7
Cash on hand and in banks	21.7	28.1	30.8	31.1	33.4	34.6	34.8	34.7	37.1
U. S. Government securities	21.1	19.7	19.9	21.5	19.2	23.5	19.1	17.2	18.2
Receivables from U. S. Government ¹	2.7	1.1	2.8	2.6	2.4	2.3	2.6	2.8	2.8
Other notes and accounts receivable	23.2	55.7	64.6	65.0	71.2	86.6	95.1	98.3	101.0
Inventories	26.3	55.1	65.8	67.2	65.3	72.8	80.4	82.3	77.6
Other current assets ²	2.4	1.7	2.4	2.4	3.1	4.2	5.9	6.7	7.0
Current liabilities, total	45.8	79.8	96.1	98.9	102.8	121.0	130.5	130.2	123.8
Advances and prepayments, U. S. Government ¹	.9	.4	2.3	2.2	2.4	2.3	2.4	2.3	1.7
Other notes and accounts payable	24.8	47.9	57.0	57.3	61.4	73.8	81.5	81.2	77.9
Federal income tax liabilities	10.4	16.7	18.1	18.7	15.5	19.3	17.6	15.7	13.8
Other current liabilities	9.7	14.0	18.7	20.7	23.5	25.7	29.0	31.1	30.9
Net working capital	51.6	81.6	90.1	91.8	91.8	103.0	107.4	111.7	119.8

¹ Receivables from and payables to U. S. Government exclude amounts offsetting each other on corporation's books or amounts arising from subcontracting not directly due from or to U. S. Government. Wherever possible, adjustments have been made to include U. S. Government advances offsetting inventories on corporation's books.

² Includes marketable securities other than U. S. Government.

Source: Securities and Exchange Commission; Statistical Series, *Net Working Capital of U. S. Corporations*. Data are published quarterly.

No. 620. ACTIVE CORPORATION RECEIPTS, DEDUCTIONS, PROFITS, AND TAX: 1935 TO 1956

[Amounts in millions of dollars. See headnote and footnotes, table 481]

ITEM	1935	1940	1945	1950	1954	1955	1956
Returns of active corporations, number	477,113	473,042	421,125	620,314	722,805	807,303	885,747
Returns with balance sheets by assets class, number							
Under \$50,000	415,208	413,716	374,950	569,961	667,856	746,962	827,016
\$50,000 to \$99,999	227,545	225,000	177,788	236,854	273,045	299,564	332,685
\$100,000 to \$249,999	58,434	61,083	61,431	101,645	117,001	131,510	150,185
\$250,000 to \$499,999	58,208	59,059	60,308	111,503	134,299	150,350	171,122
\$500,000 to \$999,999	28,005	27,832	27,583	49,735	60,350	70,483	76,029
\$1,000,000 to \$4,000,999	18,102	17,505	17,669	29,093	33,617	39,301	41,336
\$5,000,000 to \$9,999,999	18,407	17,027	22,057	30,643	35,770	40,853	39,861
\$10,000,000 to \$49,999,999	2,769	2,608	3,948	4,987	6,324	6,794	7,295
\$50,000,000 and over	2,393	2,266	3,197	4,217	5,718	6,246	6,547
Returns without balance sheets, number	61,908	59,326	46,175	59,353	84,949	60,341	57,881
Compiled receipts, total	114,650	148,237	255,448	456,130	554,822	642,248	679,868
Gross sales	85,332	114,642	203,575	374,406	443,637	514,804	540,040
Gross receipts from other operations	19,790	24,483	40,455	65,475	85,260	97,819	106,633
Other taxable receipts	5,801	8,329	10,004	17,854	25,426	29,015	32,593
Tax-exempt income:							
Dividends from domestic corporations	3,014	(1)	(1)	(1)	(1)	(1)	(1)
Interest on Government obligation ²	714	783	513	394	491	550	603
Compiled deductions, total	109,227	138,889	284,102	415,299	518,102	594,299	632,456
Cost of goods sold	66,279	86,739	157,377	284,699	339,175	380,323	409,018
Cost of operations	9,190	12,297	22,666	36,558	50,551	58,242	64,283
Interest paid	3,261	2,701	2,308	3,212	6,271	7,088	8,281
Taxes paid ³	2,628	4,317	5,585	9,013	12,477	14,203	15,630
Depreciation, amortization, depletion	3,701	4,003	6,620	9,611	16,050	18,815	20,063
Other deductions	24,167	28,832	39,546	72,206	93,579	105,658	115,192
Compiled net profit or loss	5,423	9,348	21,345	42,831	36,721	47,949	47,413
Net income or deficit	1,696	8,919	21,130	42,613	36,328	47,478	46,885
Statutory prior year loss deduction		123	114	345	438	536	918
Total income and profit taxes	735	2,649	10,795	17,317	16,861	21,741	21,364
Compiled net profit less total tax	4,688	6,800	10,561	25,514	19,860	26,208	26,048
Dividends paid:							
Cash	5,941	8,089	6,081	11,553	11,913	13,592	14,408
Stock	136	140	334	1,292	1,350	1,906	2,725

¹ Beginning 1936, "Dividends from domestic corporations" are taxable and are tabulated with "Other receipts."² Includes wholly and partially tax-exempt interest. Interest on Treasury notes issued on or after Dec. 1, 1940, and obligations issued on or after Mar. 1, 1941, by the United States or any agency or instrumentality thereof, is wholly taxable and is included in "Other receipts" for 1941-1956.³ Excludes (a) Federal income and profits taxes, (b) estate, inheritance, legacy, succession, and gift taxes, (c) income and profits taxes paid to a foreign country or possession of the United States if any portion was claimed as a tax credit, (d) taxes assessed against certain local benefits, (e) Federal taxes on tax-free covenant bonds, and (f) unidentified amounts of taxes reported in "Cost of goods sold" and "Cost of operations," 1954-1956. For prior years, excludes all taxes reported in these costs.

Source: Treasury Department, Internal Revenue Service; Statistics of Income.

No. 621. ACTIVE CORPORATION INCOME TAX RETURNS WITH BALANCE SHEETS, BY
ASSET SIZE-CLASS, BY INDUSTRIAL DIVISION: 1956
[Money figures in millions of dollars. See headnotes and footnotes, table 481]

ITEM	Total	ASSET SIZE-CLASS							
		Under \$100 thousand	\$100 to \$249 thousand	\$250 to \$400 thousand	\$500 to \$999 thousand	\$1 million to \$4,000 thousand	\$5 million to \$9,000 thousand	\$10 million to \$49,000 thousand	\$50 million and over
All industrial divisions:									
Number of returns	827,016	482,850	171,122	76,020	41,336	39,861	7,205	6,547	1,976
Total assets or liabilities	948,051	17,654	27,157	26,753	23,775	89,881	51,200	184,587	576,012
Total compiled receipts	673,493	40,511	53,507	50,181	48,810	97,748	38,049	83,482	261,256
Net income or deficit	46,659	427	1,232	1,361	1,502	4,700	2,305	6,691	28,401
Income tax	21,222	312	527	506	749	2,302	1,151	3,167	12,417
Agriculture, forestry, and fishery:									
Number of returns	9,892	5,622	2,513	916	433	372	23	12	1
Total assets or liabilities	2,678	225	393	314	302	696	158	203	386
Total compiled receipts	2,700	391	447	313	224	547	124	140	514
Net income or deficit	133	1	9	13	8	26	6	22	50
Income tax	68	3	5	7	4	15	4	7	22
Mining and quarrying:									
Number of returns	10,861	5,091	2,341	1,255	924	906	156	142	46
Total assets or liabilities	14,015	186	371	443	647	1,039	1,117	2,850	6,462
Total compiled receipts	10,732	292	465	459	612	1,644	760	2,061	4,439
Net income or deficit	1,155	111	12	8	13	76	35	168	878
Income tax	640	3	7	9	12	52	25	89	444
Construction:									
Number of returns	45,223	28,980	8,685	4,055	1,967	1,331	119	72	5
Total assets or liabilities	10,386	983	1,308	1,400	1,347	2,543	840	1,473	425
Total compiled receipts	23,257	3,406	8,847	8,477	3,073	4,957	1,661	2,413	363
Net income or deficit	679	24	89	89	94	168	61	125	29
Income tax	326	20	35	39	45	83	32	62	12
Manufacturing:									
Number of returns	128,457	61,984	27,708	15,186	9,859	10,112	1,555	1,552	501
Total assets or liabilities	216,393	2,413	4,449	5,328	8,953	21,259	10,870	31,943	133,139
Total compiled receipts	316,679	6,700	11,140	12,738	15,441	40,802	17,932	46,725	165,103
Net income or deficit	24,488	24	255	301	639	2,385	1,349	4,151	15,293
Income tax	12,209	47	119	190	319	1,231	699	2,141	7,464
Public utilities:									
Number of returns	32,895	20,840	5,492	2,604	1,578	1,537	268	319	257
Total assets or liabilities	113,838	673	876	899	1,113	3,308	1,837	7,030	98,102
Total compiled receipts	52,070	1,430	1,367	1,203	1,420	3,835	1,666	3,668	37,477
Net income or deficit	5,951	30	48	59	70	242	105	385	5,007
Income tax	3,017	15	20	25	35	124	56	103	2,549
Trade:									
Number of returns	270,951	164,843	61,318	25,047	11,437	7,087	687	449	83
Total assets or liabilities	73,468	6,350	9,714	8,604	7,835	13,570	4,708	8,532	14,087
Total compiled receipts	215,914	22,357	31,580	28,450	25,001	39,558	13,033	21,655	34,191
Net income or deficit	6,285	103	488	481	486	1,048	388	722	1,525
Income tax	2,532	104	195	202	219	508	102	358	754
Finance, insurance, real estate: ²									
Number of returns	244,755	130,274	51,085	23,769	13,063	17,224	4,343	3,930	1,067
Total assets or liabilities	504,571	5,007	8,111	8,276	9,145	40,000	30,620	81,440	321,963
Total compiled receipts	35,718	2,075	2,000	1,660	1,416	3,513	1,925	5,407	17,733
Net income or deficit	8,178	201	287	246	201	579	292	892	5,480
Income tax	2,015	70	99	90	77	203	104	260	1,115
Services:									
Number of returns	74,372	55,698	11,336	3,804	1,977	1,243	137	71	16
Total assets or liabilities	18,090	1,654	1,772	1,353	1,368	2,474	976	1,416	2,078
Total compiled receipts	16,273	3,708	2,624	1,821	1,514	2,802	1,004	1,367	1,435
Net income or deficit	839	59	107	75	75	176	73	135	140
Income tax	409	38	47	38	87	88	38	68	58
Nature of business not allocable:									
Number of returns	10,510	9,509	644	208	98	49	7	-----	-----
Total assets or liabilities	543	153	104	71	65	95	55	-----	-----
Total compiled receipts	149	84	39	10	10	1	5	-----	-----
Net income or deficit	2	1	1	1	(3)	(4)	1	1	-----
Income tax	4	2	1	1	(4)	(4)	1	-----	-----

¹ Deficit. ² Includes lessors of real property.³ Less than \$500,000 deficit. ⁴ Less than \$500,000.Source: Treasury Department, Internal Revenue Service; *Statistics of Income*.

No. 622. INCOME OF UNINCORPORATED ENTERPRISES, BY INDUSTRY: 1940 TO 1957

[In millions of dollars. Income equals business receipts (exclusive of capital gains and expenses) less business expenses (exclusive of capital losses and depletion allowances)]

INDUSTRY	1940	1945	1950	1954	1955	1956	1957
All industries, total	13,055	30,941	38,635	40,491	42,847	42,932	43,293
Agriculture, forestry, and fisheries	4,633	11,072	14,273	13,030	12,129	12,020	11,697
Mining	69	108	235	195	261	300	320
Contract construction	689	1,088	3,071	3,549	4,034	4,273	4,630
Manufacturing	515	2,361	1,685	1,537	1,626	1,594	1,897
Wholesale and retail trade	3,863	9,670	10,439	11,019	11,645	11,803	11,684
Finance, insurance, and real estate	365	757	1,573	2,212	2,455	2,247	2,310
Transportation	285	426	650	757	754	767	703
Communications and public utilities	7	23	34	64	62	54	55
Services	2,639	4,530	6,675	8,128	9,381	9,874	10,877

Source: Department of Commerce, Office of Business Economics; *National Income Supplement*, 1954, and *U.S. Income and Output*, a supplement to the *Survey of Current Business*.

No. 623. CORPORATE PROFITS BEFORE AND AFTER FEDERAL AND STATE INCOME AND EXCESS PROFITS TAXES, BY INDUSTRY: 1950 TO 1957

[In millions of dollars. Data represent earnings of corporations organized for profit which accrue to residents of the Nation, measured before and after Federal and State profit taxes, without deduction of depletion charges and exclusive of capital gains and losses. Profits accruing to residents are measured by eliminating intercorporate dividends from profits of domestic corporations and by adding the net receipts of dividends and branch profits from abroad. In other major respects, the definition of profits is in accordance with Federal income tax regulations. The inclusion of depletion charges has an important effect on data for mining industries.]

INDUSTRY	BEFORE TAXES				AFTER TAXES			
	1950	1955	1956	1957	1950	1955	1956	1957
All industries, total	40,628	44,862	45,493	43,426	22,763	28,035	23,071	21,777
Agriculture, forestry, and fisheries	182	43	42	43	84	-17	-16	-18
Mining	1,368	1,321	1,446	1,186	972	899	977	828
Contract construction	538	419	504	409	282	158	198	129
Manufacturing	23,579	26,310	26,018	24,467	12,666	13,201	12,796	12,146
Wholesale and retail trade	6,255	4,925	5,141	4,808	3,546	2,384	2,470	2,205
Finance, insurance, and real estate	3,043	4,180	4,187	4,283	1,629	2,015	1,934	1,734
Transportation	1,981	1,468	1,390	1,174	1,081	828	668	453
Communications and public utilities	2,202	4,096	4,307	4,464	1,263	1,939	2,090	2,125
Services	480	572	697	667	240	212	293	250
Rest of the world	1,000	1,558	1,761	1,925	1,000	1,558	1,701	1,025

Source: Department of Commerce, Office of Business Economics; *U.S. Income and Output*, a supplement to the *Survey of Current Business*.

PROFITS AND DIVIDENDS

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No. 624. CORPORATE PROFITS, TAXES, AND DIVIDENDS: 1940 TO 1957

[In billions of dollars. See headnote, table 623. Taxes refer to Federal and State corporate income and excess profits taxes. Disbursements of tax refunds have been deducted from tax liability in year in which tax liability was incurred. Dividends represent amount of cash dividends disbursed to residents of the Nation, and therefore are measured after elimination of intercorporate dividends. Undistributed profits comprise difference between corporate profits after taxes and net dividend payments]

YEAR	Profits before taxes	Income tax liability	Profits after taxes	Dividends	Undistributed profits
1940	0.8	2.8	6.5	4.0	2.4
1945	19.0	10.7	8.3	4.7	3.6
1947	29.5	11.3	18.2	6.5	11.7
1948	33.0	12.5	20.5	7.2	13.3
1949	26.4	10.4	16.0	7.5	8.5
1950	40.6	17.9	22.8	9.2	13.6
1951	42.2	22.4	10.7	9.0	10.7
1952	36.7	19.5	17.2	9.0	8.3
1953	38.3	20.2	18.1	9.3	8.9
1954	34.1	17.2	16.8	9.8	7.0
1955	44.0	21.8	23.0	11.2	11.8
1956	45.5	22.4	23.1	12.0	11.0
1957	43.4	21.6	21.8	12.4	0.4

Source: Department of Commerce, "Office of Business Economics; *Survey of Current Business*, July 1957 and May 1958, and its supplement, *U.S. Income and Output*.

No. 625. PROFITS AND DIVIDENDS OF PUBLIC UTILITY CORPORATIONS: 1940 TO 1958

[In millions of dollars]

PUBLIC UTILITY	1940	1945	1950	1954	1955	1956	1957	1958 (prel.)
Railroad: ¹								
Operating revenue	4,207	8,002	9,473	9,371	10,106	10,551	10,401	9,504
Profits before taxes ²	249	756	1,385	908	1,341	1,268	1,056	844
Profits after taxes	189	460	784	682	927	876	734	602
Dividends	150	240	312	370	448	462	435	410
Electric power: ³								
Operating revenue	2,797	3,082	5,528	7,588	8,360	9,049	9,044	10,189
Profits before taxes ²	692	905	1,313	2,049	2,304	2,462	2,557	2,701
Profits after taxes	548	584	822	1,134	1,244	1,326	1,403	1,517
Dividends	447	407	619	868	942	1,022	1,077	1,134
Telephone: ⁴								
Operating revenue	1,206	1,070	3,342	4,902	5,425	5,066	6,467	6,930
Profits before taxes ²	257	433	580	1,050	1,282	1,430	1,562	1,860
Profits after taxes	193	174	331	525	638	715	785	921
Dividends	167	162	276	448	496	552	613	674

¹ Class I line-haul railroads, covering about 95 percent of all railroad operations.

² After all charges and before Federal income taxes and dividends.

³ Class A and B electric utilities, covering about 95 percent of all electric power operations.

⁴ Revenues and profits for telephone operations of Bell System Consolidated (including the 20 operating subsidiaries and Long Lines and General departments of American Telephone and Telegraph Company) and for 2 affiliated telephone companies, which together represent about 85 percent of all telephone operations. Dividends for the 20 operating subsidiaries and 2 affiliates.

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 626. SALES, PROFITS, AND DIVIDENDS OF LARGE MANUFACTURING CORPORATIONS: 1940 TO 1958

[In millions of dollars. Includes data for 200 corporations each with assets of \$10,000,000 and over, at the end of 1946. Profits before and after taxes are as published by the 200 companies except for certain adjustments, chiefly to exclude special charges and credits and intercorporate dividends where large. Figures include little or no representation of some important nondurable goods groups such as meatpacking, tobacco, and rubber.]

INDUSTRY	1940	1945	1950	1954	1955	1956	1957	1958 (prel.)
Total (200 corporations):								
Sales	13,625	27,609	45,787	58,110	60,876	71,925	76,032	68,608
Profits before taxes ¹	1,927	2,537	8,176	7,244	10,250	9,200	9,559	7,388
Profits after taxes	1,329	1,188	4,222	3,825	5,231	4,880	5,109	4,013
Dividends	902	901	2,339	2,884	2,827	2,980	3,113	3,016
Nondurable goods industries (94 corporations): ²								
Sales	4,813	9,289	16,252	20,620	23,106	24,784	26,278	25,645
Profits before taxes	689	1,235	2,947	2,768	3,413	3,457	3,438	2,920
Profits after taxes	492	607	1,661	1,581	1,918	1,979	2,019	1,728
Dividends	377	306	977	1,084	1,202	1,248	1,323	1,316
Durable goods industries (106 corporations): ⁴								
Sales	8,812	18,320	20,535	37,490	46,770	47,141	49,754	48,053
Profits before taxes	1,238	1,312	5,229	4,491	6,836	5,833	6,120	4,437
Profits after taxes	887	581	2,560	2,244	3,818	2,901	3,090	2,285
Dividends	525	505	1,362	1,320	1,625	1,731	1,791	1,700
Selected industries:								
Foods and kindred products (28 corporations): ³								
Sales	1,516	3,171	4,402	5,476	5,833	6,200	6,620	6,730
Profits before taxes	179	412	552	462	499	557	600	624
Profits after taxes	136	163	289	224	244	273	205	303
Dividends	100	98	101	156	160	166	174	179
Chemicals and allied products (26 corporations): ³								
Sales	1,388	2,708	4,817	6,182	7,222	7,720	8,203	7,842
Profits before taxes	318	457	1,178	1,153	1,585	1,488	1,556	1,286
Profits after taxes	206	199	507	593	782	769	798	689
Dividends	180	160	467	499	597	602	639	627
Petroleum refining (14 corporations): ³								
Sales	1,145	2,117	4,389	6,015	6,556	7,185	7,814	7,462
Profits before taxes	97	211	712	751	854	917	867	642
Profits after taxes	84	185	492	567	624	680	711	546
Dividends	60	94	236	294	317	346	374	376
Primary metals and products (30 corporations):								
Sales	3,861	6,659	10,448	11,522	14,952	18,062	16,073	18,122
Profits before taxes	480	446	1,706	1,357	2,377	2,370	2,313	1,621
Profits after taxes	357	220	857	705	1,195	1,232	1,193	835
Dividends	180	194	378	407	522	606	651	590
Machinery (27 corporations):								
Sales	1,186	3,584	5,049	7,745	8,477	9,798	10,914	10,520
Profits before taxes	201	378	847	914	912	942	1,175	1,172
Profits after taxes	125	130	424	465	495	458	577	590
Dividends	94	94	208	263	281	321	329	327
Automobiles and equipment (15 corporations):								
Sales	3,073	5,963	11,969	14,137	18,826	16,338	17,480	14,172
Profits before taxes	435	324	2,832	1,789	3,023	1,984	2,110	1,171
Profits after taxes	277	153	1,101	863	1,394	942	1,059	615
Dividends	205	174	679	536	693	656	670	642

¹ After all charges and before Federal income taxes and dividends.

² Includes 28 companies not shown separately, as follows: textile-mill products (10); paper and allied products (16); and miscellaneous (1).

³ For certain items, data for 1940 are partly estimated for 7 companies: foods (2); chemicals (2); petroleum, textiles, and paper (1 each).

⁴ Includes 25 companies not shown separately, as follows: building materials (12); transportation equipment other than automobile (6); and miscellaneous (7).

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 627. PROFITS OF ALL MANUFACTURING CORPORATIONS, BY ASSET SIZE-CLASS: 1957 AND 1958

[Based on sample; see source for discussion of methodology]

ITEM	All asset sizes	ASSET SIZE-CLASS					
		Under \$1,000,000	\$1,000,000 to \$4,000,000	\$5,000,000 to \$9,000,000	\$10,000,000 to \$40,000,000	\$50,000,000 to \$90,000,000	\$100,000,000 and over
PROFITS PER DOLLAR OF SALES (in cents)							
Before Federal income taxes:							
1957: First quarter	0.7	3.5	6.3	7.4	0.1	0.8	12.4
Second quarter	9.4	4.2	6.3	8.4	0.1	0.7	11.6
Third quarter	8.5	4.2	6.0	8.1	8.6	0.4	10.3
Fourth quarter	7.6	1.5	3.9	0.1	7.5	8.1	10.2
1958: First quarter	6.4	1.3	8.1	5.6	0.2	7.1	8.7
Second quarter	6.8	2.5	4.4	6.4	6.8	7.2	8.6
Third quarter	7.7	3.6	5.4	7.9	7.7	8.6	9.4
Fourth quarter	8.6	1.6	4.5	7.3	8.4	8.8	11.7
After Federal income taxes:							
1957: First quarter	5.1	1.8	3.0	3.4	4.4	5.0	6.9
Second quarter	5.0	2.2	3.1	4.0	4.5	5.0	6.5
Third quarter	4.7	2.2	2.9	4.0	4.8	4.8	6.0
Fourth quarter	4.4	0.4	1.7	3.0	3.0	4.3	6.5
1958: First quarter	3.4	0.1	1.0	2.3	2.9	3.6	5.1
Second quarter	3.8	1.2	2.0	3.0	3.4	3.7	5.2
Third quarter	4.4	2.1	2.6	3.0	3.8	4.4	5.7
Fourth quarter	4.9	0.5	2.1	3.8	4.3	4.7	7.1
ANNUAL RATE ON STOCK-HOLDERS' EQUITY (percent)							
Before Federal income taxes:							
1957: First quarter	22.5	15.6	18.8	18.0	21.1	22.0	24.5
Second quarter	21.6	19.3	19.7	21.0	21.4	21.4	22.2
Third quarter	19.1	19.6	18.7	19.7	19.7	20.7	18.8
Fourth quarter	16.8	6.7	12.2	14.8	16.8	17.5	18.7
1958: First quarter	12.9	5.5	8.0	11.9	12.4	14.3	14.3
Second quarter	13.0	11.4	13.0	13.0	14.1	14.9	14.1
Third quarter	15.9	16.4	16.8	17.8	16.2	17.9	15.3
Fourth quarter	18.8	7.8	13.7	17.2	18.2	19.0	20.8
After Federal income taxes:							
1957: First quarter	11.9	7.8	8.9	8.4	10.2	11.1	13.6
Second quarter	11.6	10.4	9.6	10.1	10.5	11.1	12.4
Third quarter	10.5	10.4	9.1	9.7	9.8	10.4	10.9
Fourth quarter	9.8	1.9	5.4	7.3	8.7	9.2	11.8
1958: First quarter	6.8	0.4	2.9	4.9	5.8	7.3	8.4
Second quarter	7.8	5.4	5.9	6.4	7.0	7.6	8.6
Third quarter	9.0	9.3	8.0	8.8	8.0	9.2	9.3
Fourth quarter	10.8	2.5	6.5	8.9	9.4	10.2	12.7

Source: Federal Trade Commission and Securities Exchange Commission; *Quarterly Financial Report for Manufacturing Corporations*.

No. 628. CORPORATE DIVIDENDS PAID, BY INDUSTRIAL DIVISIONS: 1945 TO 1956

[In millions of dollars. See headnote, table 481]

INDUSTRY DIVISION	1945		1950		1955		1956	
	Cash	Stock	Cash	Stock	Cash	Stock	Cash	Stock
All industrial divisions	6,080.8	334.4	11,553.0	1,292.5	13,592.4	1,996.5	14,498.4	2,725.2
Agriculture, forestry, and fishery	27.6	1.0	106.5	4.8	45.7	4.4	44.5	.7
Mining and quarrying	159.8	1.0	552.8	10.5	784.6	55.7	841.2	44.1
Construction	20.5	3.2	82.7	27.9	35.7	30.1	80.4	35.8
Manufacturing	2,824.7	140.2	6,061.9	790.7	6,825.0	1,198.1	7,177.4	1,067.0
Public utilities	1,243.0	6.7	1,649.0	94.1	2,384.2	87.5	2,540.3	93.0
Trade	557.4	60.7	1,144.8	225.2	1,012.6	270.4	1,070.4	225.4
Finance, insurance, real estate, and lessors of real property	1,101.1	106.7	1,778.2	115.3	2,275.8	327.3	2,547.4	335.3
Services	132.3	7.0	172.2	14.8	176.0	23.0	102.8	22.7
Nature of business not allocable	5.5	.2	4.9	.2	2.0	—	4.1	.2

Source: Treasury Department, Internal Revenue Service; *Statistics of Income*.

BUSINESS ENTERPRISE

No. 629. SOURCES AND USES OF CORPORATE FUNDS: 1949 TO 1958

[In billions of dollars. Covers nonfinancial business corporations only, excluding banking and insurance companies which are primarily suppliers of capital funds for business or intermediaries in flow of savings from consumers to business. Based on Securities and Exchange Commission and other financial data. Data through 1955 have been adjusted to Internal Revenue Service statistics. Minus sign (—) indicates a reduction in assets or liabilities.]

USE OR SOURCE	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958 (prel.)
Uses	16.5	45.3	39.5	30.0	28.6	23.8	50.6	42.6	38.2	30.9
Increase in physical assets	12.7	26.7	31.4	23.7	25.7	20.8	30.9	38.3	34.4	22.0
Plant and equipment	16.3	16.9	21.6	22.4	23.0	22.4	24.2	20.9	32.7	26.5
Inventories (book value)	-3.6	9.8	1.8	1.8	-1.6	6.7	8.4	1.7	-4.5	
Increase in financial assets	3.8	18.6	8.1	6.3	2.9	3.0	19.7	4.3	3.8	8.9
Receivables	.6	13.8	4.7	5.8	1.1	2.2	11.9	7.7	3.3	3.9
Consumer	1.5	1.8	.8	2.2	1.8	.7	8.3	1.2	.9	.5
Other	-.9	12.0	3.0	3.6	-.7	1.5	8.6	6.5	2.4	3.4
Cash and U. S. Government securities	3.2	4.5	2.8	.1	1.8	(1)	5.0	-4.3	-1.8	2.5
Cash (including deposits)	1.2	1.6	1.9	.8	.2	2.3	1.2	.5	-.1	2.0
U. S. Government securities	2.0	2.9	.9	-.7	1.6	-2.3	3.8	-4.8	-1.7	.5
Other assets	(1)	.3	.6	.4	(1)	.8	2.8	.9	2.3	2.5
Sources	15.5	44.2	39.6	30.8	30.4	22.2	50.3	44.2	40.1	31.0
Internal sources	14.9	20.8	19.0	17.8	10.7	10.8	26.6	27.9	28.5	27.5
Retained profits ¹	7.8	18.0	10.0	7.4	7.9	6.3	10.9	10.2	8.8	6.0
Depreciation	7.1	7.8	9.0	10.4	11.8	13.5	15.7	17.7	19.7	21.5
External long-term sources	4.3	4.2	7.8	9.4	7.6	6.4	8.6	11.1	12.1	11.0
Stocks	1.6	1.7	2.7	3.0	2.3	2.1	2.7	3.0	3.4	3.5
Bonds	3.3	2.0	3.6	4.9	4.8	3.8	4.2	4.8	7.5	6.5
Other debt	-.6	.5	1.5	1.5	.5	.5	1.7	3.3	1.2	1.0
Short-term sources	-3.7	10.2	12.8	8.6	3.1	-4.0	15.1	5.2	-.5	-7.5
Bank loans	-1.7	2.1	3.9	1.6	-.1	-1.1	3.7	1.9	.6	-2.0
Trade payables	-.3	8.8	2.7	2.7	.4	-.2	5.5	2.7	-1.1	-2.5
Federal income tax liabilities	-2.2	7.3	4.3	-3.1	.6	-3.1	3.8	-1.4	-1.9	-3.0
Other	.5	1.0	1.9	2.4	2.2	.4	2.1	2.0	1.9	(1)
Discrepancy (uses less sources)	1.0	1.1	-.1	-.8	-1.8	1.6	.3	-1.6	-1.9	(1)

¹ Less than \$50 million.

² Includes depletion.

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, October 1958, and records.

No. 630. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT, BY QUARTERS: 1957 TO 1959

[In billions of dollars. Seasonally adjusted at annual rates. See also headnote, table 631]

INDUSTRY	1957				1958				1959		
	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Jan.-Mar.	Apr.-June	July-Sept.	Oct.-Dec.	Jan.-Mar.	Apr.-June	July-Sept. ¹
Total	36.9	37.0	37.8	36.2	32.4	30.3	29.6	30.0	30.6	32.3	33.4
Manufacturing	16.1	16.3	16.4	15.3	13.2	11.5	10.9	10.6	11.2	11.9	12.8
Durable goods	8.1	8.3	8.2	7.6	6.6	5.6	5.2	4.9	5.3	5.7	6.3
Non-durable goods	8.0	7.9	8.1	7.7	6.6	6.0	5.7	5.7	5.9	6.2	6.5
Mining	1.4	1.3	1.2	1.2	1.0	.9	.9	1.0	.9	1.0	1.0
Railroad	1.4	1.4	1.5	1.3	1.0	.8	.6	.6	.6	1.0	1.1
Transportation, other than rail	1.5	1.8	1.8	1.0	1.7	1.4	1.3	1.6	1.7	2.1	2.1
Public utilities	5.7	5.9	6.6	6.4	5.9	6.0	6.1	6.3	5.8	5.9	5.9
Commercial and other ²	10.8	10.4	10.2	10.2	9.6	9.7	9.9	10.0	10.3	10.4	10.5

¹ Estimates based on anticipated capital expenditures as reported by business.

² Includes trade, service, finance, construction, and communications.

Source: Department of Commerce, Office of Business Economics, and Securities and Exchange Commission.

BUSINESS EXPENDITURES—DOMESTIC INVESTMENT 497

No. 631. BUSINESS EXPENDITURES FOR NEW PLANT AND EQUIPMENT: 1945 TO 1959
 [In millions of dollars. Excludes expenditures of agricultural business and outlays charged to current account]

INDUSTRY GROUP	1945	1950	1953	1954	1955	1956	1957	1958	1959 ¹
Total	8,692	20,605	28,322	26,827	28,701	35,081	36,962	30,526	31,792
Manufacturing									
Durable goods industries	3,083	7,491	11,908	11,038	11,439	14,954	15,950	11,433	12,274
Primary iron and steel	1,500	3,135	5,648	5,081	5,436	7,028	8,022	5,469	5,827
Primary nonferrous metals	198	509	1,210	754	863	1,268	1,722	1,192	1,180
Electrical machinery and equipment	54	134	412	246	214	412	814	441	388
Machinery except electrical	123	245	475	439	436	603	599	450	532
Motor vehicles and equipment	316	411	707	694	809	1,078	1,275	915	951
Transportation equipment, excluding motor vehicles	262	510	989	1,295	1,128	1,080	1,058	558	688
Stone, clay and glass products	56	82	180	101	274	440	544	370	442
Other durable goods ²	100	280	346	361	498	686	572	399	479
Nondurable goods industries	481	874	1,239	1,110	1,214	1,447	1,438	1,185	1,167
Food and beverages	2,393	4,356	6,260	5,948	6,003	7,331	7,937	5,964	6,447
Textile-mill products	434	700	812	765	718	709	850	742	751
Paper and allied products	209	460	878	331	366	465	408	288	342
Chemicals and allied products	116	327	409	455	518	801	811	578	608
Petroleum and coal products	376	771	1,428	1,130	1,016	1,455	1,724	1,320	1,414
Rubber products	879	1,587	2,668	2,684	2,708	3,135	3,453	2,481	2,743
Other nondurable goods ³	118	102	161	131	150	201	200	134	171
Mining	388	707	986	975	967	1,241	1,243	941	932
Railroad	548	1,111	1,311	864	923	1,231	1,396	754	753
Transportation, other than rail	574	1,212	1,665	1,512	1,802	1,712	1,771	1,500	1,900
Public utilities	505	8,309	4,652	4,210	4,309	4,805	6,195	6,088	6,143
Communication	321	1,104	1,690	1,717	1,983	2,684	3,032	2,016	3,016
Commercial and other ⁴	2,377	5,671	6,310	6,513	7,488	8,364	7,366	7,105	9,790

¹ Estimated based on anticipated capital expenditures as reported by business from late January to early March 1959.

² Comprises fabricated metal products, lumber products, furniture and fixtures, instruments, ordnance, and miscellaneous manufactures.

³ Comprises apparel and related products, tobacco, leather and leather products, and printing and publishing.

⁴ Comprises trade, service, finance, and construction.

Source: Securities and Exchange Commission and Department of Commerce, Office of Business Economics. Data published quarterly in Statistical Series releases of the Securities and Exchange Commission and in *Survey of Current Business*.

No. 632. GROSS PRIVATE DOMESTIC INVESTMENT AND ITS COMPONENTS: 1929 TO 1958

[In billions of dollars. Consists of acquisitions of newly produced capital goods by private business and nonprofit institutions and of value of change in volume of inventories held by them; covers all private new dwellings, including those acquired by owner-occupants]

CLASS	1929	1933	1940	1950	1954	1955	1956	1957	1958 (proj.)
Gross private domestic investment	16.2	1.4	13.2	50.0	48.9	63.8	68.2	65.3	53.5
Nonfarm producers' plant and equipment ¹	9.5	2.3	7.0	23.4	20.5	33.4	39.4	41.1	35.0
Equipment ²	5.2	1.5	4.9	16.2	18.5	20.6	24.8	25.5	20.4
Construction ³	4.2	1.8	2.0	7.2	11.0	12.8	14.6	15.6	14.6
Farm equipment and construction ⁴	9	.2	8	4.4	4.0	4.1	3.8	4.0	3.0
Residential construction (nonfarm) ⁵	3.6	.5	3.0	14.1	15.4	18.7	17.7	17.0	17.8
Other private construction ⁶	.5	.1	.2	1.3	1.7	1.8	1.9	2.2	2.5
Net change in business inventories	1.7	-1.6	2.2	6.8	-1.6	5.8	5.4	1.0	-5.8
Nonfarm	1.8	-1.4	1.9	6.0	-2.1	5.5	5.9	2	-5.8
Farm	-.2	-.3	.3	.8	.5	.3	-.5	.8	.2

Note.—Series revised beginning 1946. For details, see *U.S. Income and Output*, a supplement to the *Survey of Current Business*.

¹ Items for nonfarm producers' plant and equipment are not comparable with those shown in table 631 principally because the latter exclude equipment and construction outlays charged to current expense and also investment by nonprofit organizations and professional persons.

² Total producers' durable equipment less farm machinery and equipment, and farmers' purchases of tractors and business motor vehicles.

³ Industrial buildings, public utilities, gas- and oil-well drilling, warehouses, office and loft buildings, stores, restaurants, garages, miscellaneous nonresidential construction, and all other private construction.

⁴ Farm construction (residential and nonresidential) plus farm machinery and equipment, and farmers' purchases of tractors and business motor vehicles. (See footnote 2.)

⁵ Includes religious, educational, social and recreational, and hospital and institutional.

⁶ After inventory valuation adjustment.

Source: Department of Commerce, Office of Business Economics. Published in *Economic Report of the President*, January 1959.

BUSINESS ENTERPRISE

No. 633. MANUFACTURING AND TRADE—SALES, INVENTORIES, AND ORDERS: 1940 TO 1959

[In billions of dollars. Data comprise all companies, both corporate and noncorporate, major activities of which are in manufacturing or trade. Farm and other nonfarm businesses not included. Beginning in 1954, retail trade estimates based on a new method of estimation adopted by Bureau of the Census. Wholesale trade estimates beginning 1950 are adjusted to the scope of the 1954 Census of Wholesale Trade and are not strictly comparable with data for prior years which were adjusted to the 1948 Census of Wholesale Trade.]

ITEM	1940	1945	1950	1954	1955	1956	1957	1958		1959, April
								Total	April	
MANUFACTURING AND TRADE										
Sales	145.6	286.2	476.1	563.3	627.3	657.6	675.8	648.3	52.2	60.7
Manufacturing	70.3	154.5	231.4	282.4	316.1	332.5	340.6	314.7	25.2	30.8
Durable goods	20.7	75.2	105.6	134.8	156.9	165.7	169.9	148.6	11.9	15.8
Nondurable goods	40.6	79.3	125.8	147.5	169.1	166.9	170.7	166.1	13.3	15.1
Wholesale trade	28.9	53.7	101.0	116.8	127.4	135.3	135.2	133.1	10.7	12.2
Durable goods	7.5	10.9	35.4	40.0	48.2	52.8	50.4	47.3	3.7	4.7
Nondurable goods	21.4	42.8	65.6	76.8	79.2	82.5	84.8	85.8	7.0	7.8
Retail trade	46.4	78.0	143.7	169.1	183.9	189.7	200.0	200.4	16.3	17.6
Durable goods	13.6	16.0	52.9	58.2	67.0	65.8	68.5	63.4	5.3	6.2
Nondurable goods	32.8	62.0	90.8	111.0	116.9	123.9	131.5	136.9	11.0	11.4
Inventories (seasonally adjusted book value)	22.2	30.9	63.4	75.5	81.7	89.1	90.7	85.2	87.6	87.3
Manufacturing	12.8	18.4	34.3	43.0	46.4	52.3	53.5	49.2	51.5	50.8
Durable goods	6.3	8.8	16.8	24.1	26.7	30.7	31.1	27.9	29.4	29.2
Nondurable goods	6.5	9.6	17.5	18.9	19.7	21.6	22.4	21.3	22.1	21.7
Wholesale trade	3.2	4.6	9.1	10.4	11.4	13.0	12.7	12.0	12.2	12.1
Durable goods	1.1	1.5	4.3	5.1	5.8	6.6	6.6	6.3	6.8	6.4
Nondurable goods	2.1	3.1	4.8	5.3	5.6	6.4	6.1	5.7	5.9	5.7
Retail trade	6.1	7.0	19.9	22.1	23.9	23.9	24.5	24.0	23.0	24.4
Durable goods	2.5	2.4	8.8	10.1	11.2	10.7	11.4	10.8	10.8	11.3
Nondurable goods	3.6	5.5	11.1	12.0	12.7	13.2	13.1	13.2	13.2	13.1
Ratio of inventories to sales: ¹	2.06	1.48	1.57	1.86	1.68	1.79	1.89	1.93	2.07	1.67
Manufacturing	2.29	1.58	1.68	2.19	1.90	2.08	2.21	2.34	2.57	1.92
Durable goods	1.88	1.39	1.48	1.55	1.46	1.49	1.56	1.67	1.65	1.43
Nondurable goods	1.30	0.91	0.96	1.07	1.02	1.08	1.14	1.10	1.15	.97
Wholesale trade	1.70	1.40	1.27	1.52	1.34	1.41	1.57	1.60	1.73	1.36
Durable goods	1.16	0.78	0.80	0.84	0.83	0.88	0.88	0.83	0.85	.73
Nondurable goods	1.49	1.21	1.40	1.59	1.50	1.50	1.44	1.44	1.46	1.35
Retail trade	1.97	1.74	1.61	2.13	1.91	1.97	1.91	2.04	2.11	1.83
Durable goods	1.29	1.07	1.27	1.31	1.27	1.26	1.20	1.16	1.16	1.11
MANUFACTURING										
Inventories, by stages of fabrication (seasonally adjusted): ¹	12.8	18.4	34.3	43.0	46.4	52.3	53.5	49.2	51.5	50.8
Purchased materials	4.7	8.1	14.5	14.4	15.5	17.2	17.1	16.1	16.7	16.9
Goods in process	2.9	5.0	8.5	12.4	13.9	15.7	15.8	14.3	14.7	14.6
Finished goods	5.2	5.3	11.3	16.2	17.0	19.4	20.6	18.8	20.1	19.4
Durable goods	6.3	8.8	16.8	24.1	28.7	30.7	31.1	27.9	29.4	29.2
Purchased materials	2.1	3.2	6.1	6.5	7.4	8.7	8.3	7.5	8.0	8.3
Goods in process	2.0	3.5	6.0	9.8	11.1	12.8	12.7	11.3	11.8	11.5
Finished goods	2.2	2.1	4.7	7.7	8.2	9.2	10.1	9.0	9.7	9.3
Nondurable goods	6.5	6.6	17.5	18.9	19.7	21.6	22.4	21.3	22.1	21.7
Purchased materials	2.6	4.9	8.4	7.9	8.1	8.5	8.8	8.5	8.8	8.6
Goods in process	0.9	1.5	2.5	2.6	2.8	3.0	3.1	3.0	2.9	3.0
Finished goods	3.0	3.2	6.6	8.4	8.8	10.1	10.5	9.8	10.4	10.0
Ratio of inventories to sales: ²	0.74	0.52	0.68	0.62	0.52	0.59	0.60	0.68	0.70	0.64
Durable goods:	0.67	0.72	0.69	0.88	0.78	0.87	0.93	0.94	1.03	0.76
Purchased materials	0.67	0.72	0.69	0.88	0.78	0.87	0.93	0.94	1.03	0.76
Goods in process	0.67	0.72	0.69	0.88	0.78	0.87	0.93	0.94	1.03	0.76
Finished goods	0.88	0.34	0.62	0.69	0.60	0.63	0.68	0.77	0.85	0.82
Nondurable goods:	0.74	0.73	0.65	0.65	0.60	0.60	0.62	0.63	0.66	0.67
Purchased materials	0.74	0.73	0.65	0.65	0.60	0.60	0.62	0.63	0.66	0.67
Goods in process	0.24	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.20
Finished goods	0.90	0.44	0.61	0.69	0.65	0.69	0.73	0.73	0.77	0.66
New orders	81.7	126.4	251.8	269.8	326.0	339.9	327.1	310.8	24.3	30.7
Durable goods	40.5	47.3	123.8	121.9	166.2	173.3	157.0	144.5	10.9	15.0
Nondurable goods	41.2	79.1	128.0	147.9	169.8	166.6	170.1	166.4	13.4	15.1
Unfilled orders ³	18.4	20.9	41.1	46.9	56.9	64.2	50.7	46.8	46.5	50.2
Durable goods	16.5	18.0	36.6	44.1	53.4	61.0	48.1	44.0	44.0	47.1
Nondurable goods	1.8	2.9	4.6	2.8	3.5	3.2	2.6	2.8	2.5	3.2

¹ End of period.² Ratio of average inventories to average monthly sales; average inventories based on weighted averages of end of month figures.³ Source: Department of Commerce, Office of Business Economics and Bureau of the Census; Survey of Current Business, and records.

BUSINESS INVENTORIES—FIRMS SURVIVING

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No. 634. NET CHANGE IN BUSINESS INVENTORIES: 1929 TO 1958

[In millions of dollars. Net change in business inventories measures change in physical inventories, valued at average prices current during year. Difference between change in business inventories as thus measured and change in book value of inventories constitutes inventory valuation adjustment.]

ITEM	1929	1933	1940	1945	1950	1955	1956	1957	1958 (prel.)
Net change in business inventories, total.....	1,674	-1,629	2,172	-1,057	6,815	5,783	5,446	953	-4,700
Farm.....	162	-259	270	-492	815	297	-479	758	1,100
Nonfarm.....	1,836	-1,370	1,902	-595	6,000	5,486	5,925	195	-5,800
Net change in nonfarm inventories.....	1,836	-1,370	1,902	-595	6,000	5,486	5,925	195	-5,800
Corporate.....	1,558	-871	1,586	-1,027	4,823	4,927	5,805	162	(1)
Noncorporate.....	278	-499	316	432	1,177	559	120	43	(1)
Change in book value.....	1,222	1,298	2,147	75	12,050	7,420	8,982	2,040	(1)
Corporate.....	1,080	1,272	1,786	-463	9,788	6,068	8,365	1,700	(1)
Noncorporate.....	136	26	361	538	2,271	757	617	340	(1)
Inventory valuation adjustment.....	614	-2,668	-245	-670	-6,059	-1,934	-3,057	-1,845	(1)
Corporate.....	472	-2,143	-200	-564	-4,965	-1,736	-2,560	-1,548	-200
Noncorporate.....	142	-525	-45	-106	-1,004	-198	-497	-297	(1)
Net change in nonfarm inventories by industrial groups.....	1,836	-1,370	1,902	-595	6,000	5,486	5,925	195	-5,800
Manufacturing.....	911	-578	1,218	-1,566	2,164	2,626	4,618	316	(1)
Change in book value.....	598	828	1,387	-1,121	5,496	4,008	6,165	1,288	-4,400
Inventory valuation adjustment.....	313	-1,406	-139	-435	-3,332	-1,382	-1,547	-972	(1)
Wholesale trade.....	31	-89	183	560	1,356	1,115	504	-1,013	(1)
Change in book value.....	74	268	173	665	2,458	1,195	1,131	-621	900
Inventory valuation adjustment.....	105	-337	10	-105	-1,102	-80	-627	-392	(1)
Retail trade.....	250	-488	482	272	2,131	2,092	130	739	(1)
Change in book value.....	77	220	563	358	3,351	2,294	811	1,184	-500
Inventory valuation adjustment.....	173	-708	-81	-86	-1,220	-202	-681	-446	(1)
All other.....	644	-215	19	120	349	-347	678	153	(1)
Change in book value.....	621	-18	54	178	784	-77	875	189	(1)
Inventory valuation adjustment.....	23	-197	-35	-44	-405	-270	-202	-36	(1)

¹ Not available.

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, July 1958, and *National Income Supplement*, 1954, and records.

No. 635. PERCENT OF FIRMS SURVIVING TO SPECIFIED AGE, BY MAJOR INDUSTRY GROUP

[Based on 1947 to 1954 experience]

MAJOR INDUSTRY GROUP	0.5 years	1.5 years	2.5 years	3.5 years	4.5 years	5.5 years	6.5 years	7.5 years	8.5 years	9.5 years	10.5 years
All industries.....	77	54	41	34	29	26	24	23	21	20	19
Mining and quarrying.....	70	55	42	34	30	26	24	22	20	19	18
Contract construction.....	82	62	51	44	40	37	35	33	31	30	29
Manufacturing.....	82	60	46	38	33	29	26	24	23	22	20
Transportation, communication, and other public utilities.....	76	51	38	31	27	25	23	21	20	19	10
Wholesale trade.....	85	67	56	48	43	40	37	35	34	32	31
Retail trade.....	74	49	36	29	25	22	20	19	18	17	16
Finance, insurance, and real estate.....	84	66	54	47	42	38	35	33	32	30	29
Service industries.....	77	53	40	33	28	25	23	22	21	20	19

Source: Department of Commerce, Office of Business Economics; *Survey of Current Business*, December 1955.

BUSINESS ENTERPRISE

No. 636. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERN
ACQUIRED: 1919 TO 1958

[Data limited to actions reported by Moody's Investors Service and Standard and Poor's Corporation]

YEAR	Number	YEAR	Number	YEAR	Number	YEAR	Number
1919	438	1929	1,245	1939	87	1949	126
1920	760	1930	799	1940	140	1950	219
1921	487	1931	404	1941	111	1951	235
1922	309	1932	203	1942	118	1952	288
1923	311	1933	120	1943	213	1953	295
1924	368	1934	101	1944	324	1954	387
1925	554	1935	130	1945	333	1955	525
1926	856	1936	126	1946	410	1956	537
1927	870	1937	124	1947	404	1957	490
1928	1,058	1938	110	1948	223	1958	457

Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions*, 1955, and records.No. 637. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERN
ACQUIRED, BY INDUSTRY GROUP OF ACQUIRING CONCERN: 1948 TO 1958

[See headnote, table 636]

INDUSTRY GROUP OF ACQUIRING CONCERN	1948-	1950,	total	1951	1952	1953	1954	1955	1956	1957	1958
	1950,										
Total.....	568	235	288	294	388	525	537	490	457		
Mining.....	34	13	14	8	12	34	35	31	39		
Manufacturing:											
Food and kindred products.....	85	29	35	40	54	54	53	32	36		
Tobacco manufacturers.....	1		2	1		2	3	4	1		
Textiles and apparel.....	38	18	22	17	22	32	34	26	19		
Lumber and furniture.....	18	11	2	4	5	5	11	5	7		
Paper and allied products.....	17	7	8	14	14	18	21	30	26		
Printing and publishing.....	8	5	4	1	6	4	8	4	10		
Chemicals.....	44	22	27	38	37	42	53	35	41		
Petroleum and coal products.....	21	2	3	2	7	7	13	4	4		
Rubber products.....	5	4	3	3	8	4	5	6	4		
Leather products.....	1	2	7	9	2	3	5	1	1		
Stone, clay, and glass products.....	17	10	14	15	14	18	13	22	16		
Primary metals.....	33	12	9	9	15	40	28	31	22		
Fabricated metals.....	43	20	26	33	39	45	27	46	34		
Machinery, except electrical.....	93	33	32	35	56	79	79	57	59		
Electrical machinery.....	41	15	19	17	19	45	39	40	40		
Transportation equipment.....	36	15	21	27	26	39	46	25	38		
Professional and scientific instruments.....	10	9	8	7	13	12	14	16	21		
Miscellaneous manufactures.....	5		6	1	8	16	12	23	9		
Nonmanufacturing.....	18	8	26	13	31	26	43	52	25		

Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions*, 1955, and records.

No. 638. MERGERS AND ACQUISITIONS—MANUFACTURING AND MINING CONCERN ACQUIRED, BY SIZE OF ASSETS OF ACQUIRING CONCERN: 1948 TO 1958

[See headnote, table 636]

ASSETS OF ACQUIRING CONCERN	1948-1955		1956		1957		1958	
	Number acquired	Per- cent	Number acquired	Per- cent	Number acquired	Per- cent	Number acquired	Per- cent
Total	2,298	100.0	537	100.0	490	100.0	457	100.0
Under \$1,000,000	61	2.7	6	1.1	5	1.0		
\$1,000,000 to \$4,999,999	281	12.2	58	10.8	56	11.4	57	12.5
\$5,000,000 to \$9,999,999	311	13.5	63	11.7	62	12.7	53	11.6
\$10,000,000 to \$49,999,999	822	35.8	176	32.8	177	36.1	154	33.7
\$50,000,000 and over	694	30.2	178	33.2	144	29.4	153	33.5
Assets unknown	129	5.6	66	10.4	46	9.4	40	8.7

Source: Federal Trade Commission; *Report on Corporate Mergers and Acquisitions, 1955*, and records.

No. 639. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES: 1921 TO 1958

[Excludes all railroad failures. Series revised beginning 1933 to exclude real estate and financial companies. These revisions bring "Failures" more nearly in accordance with type of concerns covered by "Total concerns in business," in which no changes were made. Beginning 1939, new series includes voluntary discontinuances with loss to creditors and small concerns forced out of business with insufficient assets to cover all claims, in addition to failures included in former series. Liabilities exclude long-term publicly held obligations; offsetting assets are not taken into account.]

YEAR OR YEARLY AVERAGE	Total concerns in business ¹	Fail- ures ²	Current liabilities (\$1,000)	Aver- age liabili- ty	YEAR	Total concerns in business ¹	Fail- ures ²	Current liabilities (\$1,000)	Aver- age liabili- ty
1921-1925	2,013,406	20,775	555,532	\$26,740	1940	2,156,450	13,619	160,884	\$12,230
1926-1930	2,184,096	23,605	514,086	21,770	1941	2,170,615	11,848	136,104	11,488
1931-1935	2,023,875	20,860	568,330	20,526	1942	2,151,549	9,405	100,763	10,713
1936-1940	2,088,185	12,064	196,427	16,282	1943	2,023,007	3,221	45,339	14,076
1941-1945	2,021,860	5,301	68,852	12,988	1944	1,855,033	1,222	31,680	26,908
1948-1950	2,492,560	5,682	212,595	44,733	1945	1,908,095	809	30,225	37,361
1951-1955	2,635,407	9,317	369,804	89,322	1946	2,141,807	1,129	67,349	59,654
1930	2,183,008	26,855	668,282	25,357	1947	2,404,883	3,474	204,612	58,898
1931	2,125,288	28,285	736,310	26,032	1948	2,550,018	5,250	234,620	44,690
1932	2,076,550	31,922	728,313	29,172	1949	2,679,306	9,246	308,109	33,323
<i>1933³</i>	<i>1,900,701</i>	<i>20,507</i>	<i>502,830</i>	<i>24,761</i>	1950	2,856,786	9,162	248,283	27,009
1933 ³	1,960,701	10,550	457,520	23,038	1951	2,607,977	8,058	259,547	32,210
1934	1,973,900	12,001	338,958	27,821	1952	2,037,004	7,611	283,314	37,224
1935	1,882,905	12,244	310,580	26,866	1953	2,006,080	8,802	394,183	44,477
1936	2,006,936	9,607	203,173	21,148	1954	2,682,312	11,088	462,028	41,731
1937	2,056,598	9,490	183,253	19,310	1955	2,633,063	10,969	440,380	40,968
1938	2,101,038	12,836	246,505	19,204	1956	2,628,910	12,680	562,607	44,356
1939 ³	<i>2,116,008</i>	<i>11,408</i>	<i>188,201</i>	<i>14,744</i>	1957	2,652,248	13,730	615,233	44,784
1939 ³	2,116,008	14,768	182,520	12,359	1958	2,675,409	14,964	728,258	48,637

¹ Represents number of names listed in July issue of *Dun & Bradstreet Reference Book*. See table 640 for class of industries covered.

² Includes concerns discontinuing following assignment, voluntary or involuntary petition in bankruptcy, attachment, execution, foreclosure, etc.; voluntary withdrawals from business with known loss to creditors; also enterprises involved in court action, such as receivership, and, since June 1934, reorganization, or arrangement which may or may not lead to discontinuance; as well as businesses making voluntary compromise with creditors out of court.

³ See headnote regarding revisions. Figures in italics are comparable with preceding years.

Source: Dun & Bradstreet, Inc., New York, N. Y.

No. 640. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES, BY INDUSTRY AND SIZE OF LIABILITY: 1955 TO 1958
 [Liabilities in thousands of dollars. See headnote, table 630]

INDUSTRY AND SIZE OF LIABILITY	NUMBER				CURRENT LIABILITIES			
	1955	1956	1957	1958	1955	1956	1957	1958
Total	10,969	12,686	13,739	14,964	449,380	562,697	615,293	728,258
Mining and manufacturing	2,202	2,285	2,411	2,630	156,945	191,230	196,841	245,598
By industry:								
Mining—Coal, oil, miscellaneous	55	42	75	86	5,156	8,193	11,588	17,619
Food and kindred products	165	188	183	189	14,198	10,366	11,407	17,431
Textile-mill products and apparel	506	537	500	493	25,334	34,536	30,447	38,082
Lumber and products	336	401	504	530	13,658	22,898	25,087	30,453
Paper, printing, and publishing	114	123	136	181	6,700	7,542	9,609	8,411
Chemicals and allied products	49	61	56	66	3,454	12,607	5,460	4,477
Leather and products	80	84	77	100	4,358	5,519	7,400	12,008
Stone, clay, and glass products	49	33	56	62	1,821	4,720	3,015	10,031
Iron, steel, and products	120	139	113	177	14,210	12,056	27,803	16,707
Machinery	291	259	264	294	37,278	30,172	27,477	38,487
Transportation equipment	47	64	76	80	5,327	5,200	8,369	10,838
Miscellaneous	390	354	381	422	25,332	37,412	28,619	38,704
By size of liability:								
Under \$6,000	188	213	220	201	565	643	720	587
\$6,000 to \$25,000	905	916	947	1,027	11,617	11,215	11,722	12,507
\$25,000 to \$100,000	764	736	785	981	36,288	36,537	38,020	44,544
\$100,000 and over	345	420	450	521	108,475	142,835	140,370	187,960
Wholesale trade	1,164	1,207	1,236	1,431	57,682	74,710	77,937	81,984
By industry:								
Food and farm products	274	300	288	380	12,635	12,787	18,724	20,908
Apparel	62	49	43	62	2,170	2,241	2,531	2,722
Dry goods	54	47	34	46	4,107	1,808	1,375	1,463
Lumber, building materials, hardware	135	147	150	175	7,014	18,121	8,758	12,340
Chemicals and drugs	36	45	47	60	1,187	1,460	2,082	1,297
Motor vehicles and auto equipment	68	68	74	67	2,020	3,576	3,401	2,274
Miscellaneous	535	553	605	701	28,543	34,717	41,086	40,481
By size of liability:								
Under \$6,000	97	109	109	130	282	326	301	360
\$6,000 to \$25,000	535	516	495	591	7,103	6,662	6,357	7,727
\$25,000 to \$100,000	412	440	475	522	10,690	21,089	23,219	26,144
\$100,000 and over	120	142	157	188	30,607	46,633	48,060	48,763
Retail trade	5,339	6,341	6,895	7,514	121,619	156,048	186,847	225,277
By industry:								
Food and liquor	1,053	1,102	1,096	1,127	19,556	18,778	24,104	25,717
General merchandise	193	274	265	291	5,193	9,026	11,020	11,488
Apparel and accessories	865	1,161	1,122	1,140	17,774	28,762	49,490	20,469
Furniture, home furnishings	719	793	1,004	1,041	21,072	26,090	37,334	46,098
Lumber, building materials, hardware	324	380	460	504	10,367	11,255	13,705	15,980
Automotive group	544	727	885	1,101	12,915	22,191	24,270	39,309
Eating and drinking places	986	1,149	1,270	1,436	20,330	23,914	28,543	37,333
Drug stores	128	165	162	165	2,574	3,486	3,986	3,975
Miscellaneous	557	590	613	700	11,838	11,344	18,786	16,977
By size of liability:								
Under \$6,000	1,121	1,314	1,265	1,240	3,273	3,758	3,684	3,548
\$6,000 to \$25,000	2,936	3,407	3,761	3,046	35,078	40,154	45,698	48,180
\$25,000 to \$100,000	1,101	1,399	1,598	1,933	48,197	59,681	70,413	84,491
\$100,000 and over	181	221	271	395	35,071	52,476	67,057	89,078
Construction	1,404	1,834	2,105	2,162	83,179	100,803	110,312	115,115
By industry:								
General building contractors	443	708	805	872	39,827	54,115	64,425	62,758
Building subcontractors	880	1,030	1,175	1,169	34,485	41,400	36,408	41,008
Other contractors	81	96	125	121	8,867	5,288	9,421	11,351
By size of liability:								
Under \$5,000	162	180	214	248	507	499	629	694
\$5,000 to \$25,000	615	779	918	881	8,230	10,463	12,182	11,680
\$25,000 to \$100,000	402	644	780	774	21,775	31,507	34,700	36,943
\$100,000 and over	165	231	234	250	62,663	68,244	62,821	65,708
Commercial service	860	1,019	1,092	1,177	29,955	39,906	43,356	60,284
By industry:								
Passenger and freight transportation	255	295	367	398	11,870	13,603	13,614	21,943
Miscellaneous public services	30	34	48	43	4,028	3,613	2,723	2,424
Hotels	41	65	59	76	5,901	11,127	8,955	17,088
Cleaning, dyeing, repairing	95	99	112	121	1,220	2,097	2,117	2,740
Laundries	50	53	39	41	1,344	1,203	1,771	1,178
Undertakers	8	8	7	6	401	80	179	98
Other personal services	61	82	64	71	536	1,385	1,020	3,240
Business and repair services	320	383	396	421	4,646	6,728	12,971	10,687
By size of liability:								
Under \$5,000	217	216	184	200	620	608	574	629
\$5,000 to \$25,000	421	534	578	570	5,077	6,507	7,078	6,825
\$25,000 to \$100,000	177	212	260	298	8,049	10,093	11,824	13,744
\$100,000 and over	45	57	80	102	16,200	22,698	23,880	38,086

No. 641. INDUSTRIAL AND COMMERCIAL FAILURES—NUMBER AND LIABILITIES, BY STATES: 1956 TO 1958

STATE	TOTAL CONCERN IN BUSINESS ¹			FAILURES						
				Number			As per cent of con- cerns in busi- ness, 1958	Current liabilities (\$1,000)		
	1956	1957	1958	1956	1957	1958		1956	1957	
Cont. U.S.	2,628,910	2,652,248	2,675,409	12,686	13,739	14,964	0.56	562,697	615,293	728,258
New England	178,873	184,146	183,127	700	757	908	0.50	42,174	52,866	49,114
Maine	15,611	15,855	16,005	27	29	33	0.21	705	1,050	2,220
New Hampshire	9,423	9,275	9,941	18	26	27	0.27	589	1,208	1,904
Vermont	6,799	6,607	6,691	13	12	15	0.22	1,858	400	1,970
Massachusetts	90,800	94,738	93,279	337	317	390	0.42	20,797	15,188	22,170
Rhode Island	15,880	15,816	16,481	151	157	135	0.82	7,256	5,756	5,046
Connecticut	40,351	41,855	40,730	154	216	308	0.76	10,966	28,604	15,804
Middle Atlantic	557,819	549,230	545,333	4,189	4,259	4,969	0.91	192,030	206,819	232,006
New York	275,868	273,061	268,104	2,875	2,948	3,365	1.26	124,000	134,193	139,503
New Jersey	96,661	95,179	98,425	582	565	778	0.79	33,019	33,604	43,475
Pennsylvania	185,262	180,090	178,804	732	746	826	0.46	33,121	33,022	49,028
East North Central	532,225	531,035	532,096	1,724	2,019	2,374	0.45	86,542	94,243	127,416
Ohio	133,700	135,672	134,803	512	572	664	0.49	20,310	28,272	36,084
Indiana	67,439	67,645	66,934	84	127	168	0.25	4,872	7,149	11,560
Illinois	156,075	154,606	154,355	457	548	622	0.40	26,292	30,062	35,022
Michigan	102,120	101,330	103,842	413	512	547	0.53	17,009	20,736	32,767
Wisconsin	72,881	71,092	72,102	258	260	373	0.52	6,969	8,024	11,983
West North Central	269,967	266,697	265,400	469	529	529	0.20	30,909	23,780	35,151
Minnesota	55,511	54,568	54,412	137	160	133	0.24	4,730	7,130	7,499
Iowa	51,758	51,412	51,155	92	68	62	0.12	3,448	2,848	2,499
Missouri	71,081	71,307	70,605	108	125	182	0.26	16,481	7,002	7,784
North Dakota	11,237	10,844	10,536	12	13	13	0.12	3,866	298	1,101
South Dakota	12,890	12,171	12,186	12	20	10	0.08	287	578	187
Nebraska	28,785	28,046	28,016	36	40	30	0.11	1,307	951	2,998
Kansas	38,705	38,259	38,640	72	103	99	0.26	4,180	4,973	13,103
South Atlantic	327,631	336,559	345,030	1,138	1,219	1,417	0.41	37,037	50,952	66,802
Delaware	6,047	6,481	6,424	10	14	9	0.14	278	998	620
Maryland	36,532	35,832	35,670	153	155	107	0.55	7,892	8,870	8,856
District of Columbia	9,138	9,268	9,102	50	36	28	0.31	1,260	1,340	2,680
Virginia	45,702	46,929	46,886	114	115	129	0.28	4,787	6,808	7,781
West Virginia	26,960	27,354	27,711	81	69	67	0.24	1,811	2,001	2,581
North Carolina	61,518	62,262	63,149	126	117	187	0.25	4,440	4,345	4,913
South Carolina	25,872	27,307	28,744	77	107	122	0.42	1,589	2,240	1,969
Georgia	48,662	51,002	51,887	153	208	191	0.37	5,212	8,443	10,476
Florida	66,299	70,044	75,448	374	398	517	0.09	9,709	17,811	28,017
East South Central	143,295	145,188	145,863	359	438	397	0.27	13,730	14,956	20,968
Kentucky	41,582	42,750	40,937	60	52	80	0.20	2,407	2,207	6,870
Tennessee	42,438	43,047	43,034	164	195	157	0.36	7,223	6,097	6,225
Alabama	33,400	33,769	35,114	69	86	72	0.21	2,044	2,385	4,300
Mississippi	25,925	25,622	25,878	66	105	88	0.34	2,056	3,397	3,483
West South Central	256,494	265,056	271,598	563	792	819	0.30	38,771	41,716	46,832
Arkansas	28,222	28,000	27,343	29	67	55	0.20	607	2,727	1,070
Louisiana	41,411	42,815	44,500	141	192	222	0.50	5,300	10,812	8,628
Oklahoma	38,891	38,606	40,941	60	67	92	0.22	3,668	3,953	6,451
Texas	147,970	155,026	158,814	324	466	460	0.28	29,097	24,224	29,803
Mountain	101,351	103,960	106,504	434	429	330	0.31	21,161	18,968	15,301
Montana	11,922	12,153	12,330	27	19	30	0.24	643	456	1,269
Idaho	10,481	10,426	10,678	23	23	32	0.30	582	772	911
Wyoming	6,475	6,410	6,486	8	10	5	0.08	127	530	128
Colorado	30,648	31,230	31,370	142	132	92	0.20	4,323	6,923	4,032
New Mexico	12,461	13,246	14,028	26	18	11	0.08	828	2,126	403
Arizona	13,108	13,838	14,813	94	125	111	0.75	4,418	4,101	4,288
Utah	12,260	12,424	12,510	61	69	49	0.39	1,974	1,792	2,816
Nevada	8,996	4,233	4,274	53	43	30	0.70	8,266	2,268	1,454
Pacific	261,255	270,377	280,458	3,110	3,297	3,221	1.15	100,343	110,993	134,668
Washington	41,280	42,534	41,999	335	401	355	0.85	9,772	10,444	8,144
Oregon	28,202	29,009	29,016	282	538	532	1.83	11,316	13,818	11,308
California	191,764	198,834	209,443	2,493	2,358	2,334	1.11	79,255	86,731	115,216

¹ Represents number of names listed in July issue of the *Dun & Bradstreet Reference Book*. See table 640 for class of industries covered.

BUSINESS ENTERPRISE

No. 642. BANKRUPTCY CASES FILED AND PENDING: 1905 TO 1958

[For years ending June 30. Covers only U. S. District Courts. A bankruptcy case is a proceeding filed in a U. S. District Court under the National Bankruptcy Act. "Filed" means the commencement of a proceeding through the presentation of a petition to the clerk of the court; "pending" is a proceeding in which the administration has not been completed]

YEAR	Filed	Pending	YEAR	Filed	Pending	YEAR	Filed	Pending
1905	16,946	27,957	1937	57,485	54,443	1948	18,510	25,004
1910	18,068	26,302	1938	57,306	54,277	1949	20,021	30,566
1915	27,632	43,515	1939	60,997	53,172	1950	33,392	38,376
1920	13,558	29,728	1940	52,320	54,740	1951	35,193	40,022
1925	45,041	59,959	1941	56,335	55,506	1952	34,873	36,184
1930	62,845	61,410	1942	52,109	52,945	1953	40,087	38,788
1932	70,049	72,070	1943	34,711	39,893	1954	53,130	48,428
1933	62,256	68,195	1944	19,583	28,243	1955	63,404	55,592
1934	58,888	63,482	1945	12,802	21,461	1956	62,086	59,364
1935	69,153	65,347	1946	69,106	17,888	1957	73,761	68,459
1936	60,624	62,527	1947	13,170	17,296	1958	91,668	80,446

Source: Administrative Office of the United States Courts; *Tables of Bankruptcy Statistics*, 1940 to date; earlier years, annual reports of the Attorney General of the United States.

No. 643. BANKRUPTCY CASES FILED, BY TYPE OF BANKRUPTCY: 1940 TO 1958

[For years ending June 30. Covers only U. S. District Courts. The majority of cases filed are voluntary straight bankruptcy petitions filed by employees and individuals not engaged in business (see table 644)]

YEAR	Total	STRAIGHT BANKRUPTCIES		Corporate reorganization ¹	Arrangements ²	Wage earners' plans ³	Other
		Voluntary	Involuntary				
1940	52,320	43,902	1,752	320	1,130	3,247	1,960
1945	12,862	11,101	264	72	46	1,248	131
1950	33,392	25,263	1,369	134	614	6,007	5
1951	35,193	26,594	1,099	88	481	6,924	7
1952	34,873	25,890	1,059	74	434	7,397	19
1953	40,087	29,815	1,064	86	452	8,670	-
1954	53,136	41,335	1,398	104	661	9,634	4
1955	59,404	47,650	1,249	73	566	9,864	2
1956	62,086	50,655	1,240	40	612	9,535	4
1957	73,761	60,335	1,189	65	623	11,549	-
1958	91,668	70,048	1,413	67	747	13,391	2

¹ Includes petitions filed under Chapter X (Corporate Reorganization) of the National Bankruptcy Act.

² Includes petitions filed under Chapter XI (Arrangements) and Chapter XII (Real Estate Arrangements) of the National Bankruptcy Act.

³ Includes petitions filed under Chapter XIII (Wage Earners' Plans) of the National Bankruptcy Act.

No. 644. BANKRUPTCY CASES FILED, BY OCCUPATION OF DEBTOR: 1950 TO 1958

[For years ending June 30. Covers only U. S. District Courts]

YEAR	Total	Merchants	Manufacturers	Farmers	Employees	Members of professions	OTHER	
							In business	Not in business
1950	33,392	2,565	803	290	22,938	126	4,568	2,197
1951	35,193	2,860	522	205	25,984	127	4,173	1,822
1952	34,873	2,819	532	196	26,527	137	3,358	1,804
1953	40,087	2,402	518	214	31,263	140	3,498	2,062
1954	53,136	3,191	745	322	40,889	164	4,476	3,359
1955	59,404	3,317	750	386	46,163	217	4,515	4,056
1956	62,086	3,165	730	400	48,784	212	4,981	3,824
1957	73,761	3,160	665	403	59,053	204	5,712	4,584
1958	91,668	3,504	758	332	73,370	284	6,525	6,888

Source of tables 643 and 644: Administrative Office of the United States Courts; *Tables of Bankruptcy Statistics*.

Section 18

Communications

This section presents statistics relating to the usage, finances, and operations of the various communications and related media. Included are data concerning postal service, telephone, telegraph, radio, television, newspapers, and books. The principal sources of wire and wireless data are the Federal Communications Commission's annual *Statistics of Communications Common Carriers* (prior to 1957 titled *Statistics of the Communications Industry in the United States*), and *Annual Report*. Data concerning the postal service are included in the *Annual Report of the Postmaster General*. Statistics as to revenues, volume of mail, and the distribution of expenditures by classes of mail and services are presented in the Post Office Department's annual *Cost Ascertainment Report*. Statistics on number and circulation of newspapers and periodicals and on sales of books and pamphlets are issued by the Bureau of the Census in reports of the Census of Manufactures. Annual data on number and circulation of daily and Sunday newspapers appear in Editor and Publisher's *International Yearbook Number*. Monthly data on new books and new editions of books are presented by R. R. Bowker Company in *Publishers' Weekly*.

Since the establishment of the Federal Communications Commission in 1934, statistical coverage of wire and wireless communications has been concentrated in that agency. According to the Communications Act of 1934, as amended, only carriers engaged in interstate, or foreign, communications service by means of their own facilities (or through the facilities of another carrier under direct or indirect common control) are subject to the full jurisdiction of the Commission. The Commission requires the filing of annual and monthly reports by these carriers except from the smallest carriers. The companies controlling any but the smallest of these carriers are also required to file annual reports.

Postal Service.—The postal statistics, unless otherwise noted, include data for outlying areas of the United States, except the Canal Zone.

"Cost ascertainment" is the term applied in the Post Office Department to describe its plan or system, partly accounting and partly statistical, for developing through the medium of a sampling procedure, data on the revenues, expenses, volumes, and average hauls fairly attributable to each of the several classes of mail handled by the Postal Service (first, second, third, fourth, foreign, penalty, franked, free for the blind, and air mail) and similar revenue, expense, and volume data for each of its special services (special delivery, money order, insurance, collect-on-delivery, registry, certified, and postal savings).

Telephone and telegraph systems.—Practically all of the wire-telegraph, ocean-cable, and radiotelegraph carriers are subject to the full jurisdiction of the Federal Communications Commission. A large number of telephone carriers engaged in interstate or foreign service only by connection with the facilities of another unaffiliated carrier are not subject to the full jurisdiction of the Commission. However, it is estimated that the gross operating revenues of the telephone carriers reporting annually cover over 90 percent of the revenues of all telephone carriers in the United States.

The term "system" is used, in general, for aggregations of lines operated by the larger companies. "Bell System" as referred to here, consists of the American Telephone & Telegraph Co. and its principal telephone subsidiaries.

Note.—This section presents data for the most recent year or period available on April 22, 1959, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

Broadcasting.—The number of broadcast stations refers to the number licensed or holding construction permits. Total broadcast revenues are defined as total time sales of all networks and stations, less commissions to agencies and plus incidental revenues, such as sale of talent, program material, etc. Reports filed with the Federal Communications Commission by broadcast stations and networks cover substantially all units in the industry which operate in the United States and its outlying areas.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, 1789-1945*, series P 165-167") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*, and its *Continuation to 1952*. See preface.

FIG. XXX. NUMBER OF RADIO AND TV STATIONS: 1945 TO 1957

[Excludes FM (independents). See table 607]

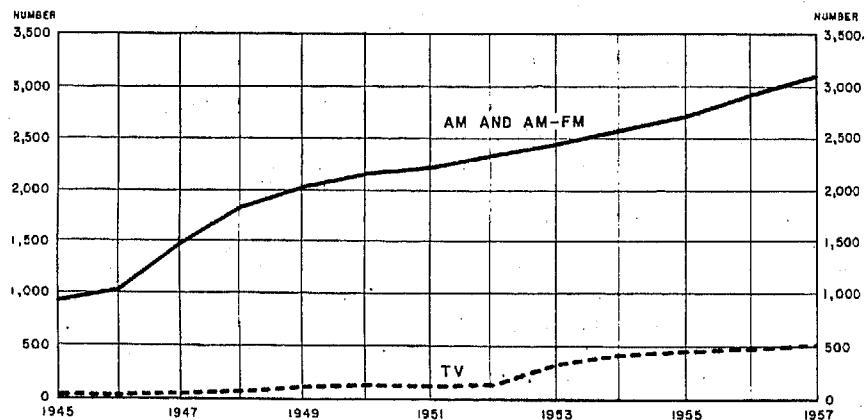
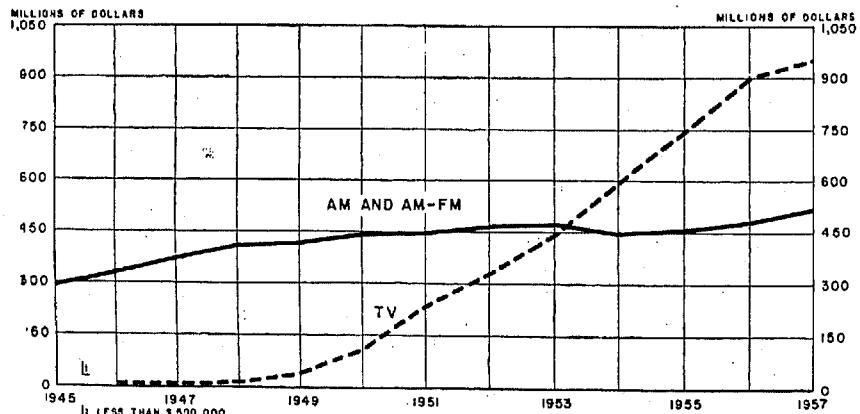


FIG. XXXI. BROADCAST REVENUES OF RADIO AND TV STATIONS: 1945 TO 1957

[Excludes FM (independents). See table 607]



Source of figs. XXX and XXXI: Charts prepared by Department of Commerce, Bureau of the Census. Data are from Federal Communications Commission.

POSTAL SERVICE

507

No. 645. UNITED STATES POSTAL SERVICE—SUMMARY: 1900 TO 1958

[For years ending June 30. See text, p. 505. For financial data, see also *Historical Statistics, 1789-1945*, series P 165-167]

YEAR	Number of post offices	FINANCES ¹			Revenue per capita	MONEY ORDERS ISSUED		Sales of postage stamps and other stamped paper	Postage paid under permit (1st, 2d, 3d, and 4th class)	Number of pieces of mail handled ⁴
		Revenues	Expenditures ²	Surplus (+) or deficit (-)		Domes- tic ³	Inter- national			
1900.....	76,688	Mil. dol.	Mil. dol.	Mil. dol.	Dollars	Mil. dol.	Mil. dol.	Mil. dol.	Mil. dol.	Millions
1905.....	68,131	102	108	-5	1.34	230	17	94	-----	7,180
1910.....	59,580	153	167	-15	1.82	402	43	140	1	10,188
1915.....	56,880	224	230	-6	2.43	553	90	202	4	14,860
1920.....	52,641	287	290	-11	2.85	665	52	256	8	-----
1925.....	50,957	437	454	-17	4.11	1,342	23	380	13	-----
1930.....	49,063	600	630	-40	5.28	1,549	36	508	30	25,835
1935.....	45,886	705	804	-98	5.75	1,735	52	575	74	27,888
1940.....	44,024	631	697	-66	4.94	1,829	22	473	96	22,332
1945.....	41,792	1,314	1,145	+160	9.44	2,103	13	522	177	27,749
1950.....	41,464	1,677	2,223	-545	11.14	5,165	16	862	675	45,004
1951.....	41,193	1,777	2,841	-566	11.61	5,652	20	883	741	46,908
1952.....	40,919	1,947	2,667	-720	12.50	5,940	27	948	836	49,906
1953.....	40,600	2,092	2,742	-650	13.20	6,033	30	985	931	50,048
1954.....	39,405	2,260	2,668	-398	14.08	6,048	33	999	1,053	52,213
1955.....	38,316	2,349	2,712	-363	14.33	5,865	31	1,000	1,134	55,234
1956.....	37,515	2,419	2,888	-464	14.51	5,926	32	1,011	1,196	56,441
1957.....	37,012	2,497	3,044	-548	14.70	5,880	31	1,015	1,263	59,078
1958.....	36,308	2,550	3,441	-891	14.76	5,442	29	1,017	1,301	60,130

¹ After allowance for reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets (see footnote 2, table 647). Revenues, expenditures, and deficits through 1953 on cash-disbursement basis, i.e., they include payments and receipts in a year applicable to prior years; beginning 1954, on accrual basis, i.e., expenditures are shown in year in which obligation was incurred, and revenues in year which gave rise to the earnings, whether collected or accrued. During fiscal 1954, the Department began receiving reimbursement for penalty and franked mail, and discontinued payment of subsidies to airlines. These and other changes affect the comparability of the figures from year to year.

² Includes capital expenditures for plant and equipment and cost of materials and supplies, but no provision for depreciation is made. Also includes costs of certain services rendered to other agencies without reimbursement but excludes costs of certain services rendered to the Post Office Department by other agencies.

³ Includes postal notes issued under act of Congress, 1945-1951.

⁴ Continental United States only. Data for years prior to 1926 are estimates.

⁵ Expenditures and deficit for fiscal 1957 have been increased by \$26 million for retroactive increases in rail rates for eastern roads granted by the Interstate Commerce Commission in 1958.

Source: Post Office Department; *Annual Report of the Postmaster General and Cost Ascertainment Report*.

No. 646. POSTAL SERVICE REVENUES, BY SOURCE: 1920 TO 1958

[In millions of dollars. For years ending June 30. See text, p. 505]

ITEM	1920	1930	1940	1945	1950	1955	1956	1957	1958
Total.....	437	705	767	1,314	1,677	2,349	2,419	2,497	2,550
Ordinary postal revenue ¹	424	686	782	1,247	1,606	2,206	2,341	2,420	2,469
Stamps, postal cards, etc.....	380	575	522	954	862	990	1,009	1,013	1,015
Second-class postage paid in money (pound rates) ^{2,3}	25	29	23	25	40	64	69	70	69
Other postage paid in money under permit ²	13	74	177	252	678	1,136	1,199	1,266	1,303
Box rents.....	6	9	8	11	14	26	26	27	27
Miscellaneous.....	1	1	3	4	11	41	38	45	55
Money-order revenues.....	10	17	24	47	63	66	66	64	71
Interest and profit, Postal Savings System.....	2	2	11	21	8	18	13	12	10

¹ Net revenue after refunds of postage.

² Beginning 1950, includes fees; previously included with miscellaneous.

³ Beginning 1955, includes controlled circulation publications.

Source: Post Office Department; *Annual Report of the Postmaster General and Cost Ascertainment Report*.

No. 647. POSTAL REVENUES AND EXPENDITURES, BY CLASS OF MAIL AND TYPE OF SERVICE: 1956 TO 1958

[In thousands of dollars. For years ending June 30]

MAIL AND SERVICE	1956			1957			Revenues, 1958
	Revenues	Appor-tion-ed expendi-tures	Excess of revenues (+) or expendi-tures (-)	Revenues	Appor-tion-ed expendi-tures	Excess of revenues (+) or expendi-tures (-)	
All operations.....	2,448,988	2,912,940	-463,951	2,524,731	3,174,155	-649,424	2,582,204
Net total.....	2,419,354	2,883,305	-463,951	2,496,614	3,146,038	-649,424	2,550,233
Deductions ¹	20,634	29,634		28,117	28,117		31,971
All mails and special services.....	2,447,368	2,806,742	-449,377	2,523,263	3,155,760	-632,503	2,580,654
Prepaid domestic mail.....	2,095,055	2,511,473	-416,418	2,160,264	2,765,069	-604,805	2,188,661
1st class ²	1,013,079	978,014	+35,865	1,064,044	1,086,655	-20,411	1,092,441
Domestic airmail ³	150,938	127,514	+23,424	153,189	136,559	+16,630	151,235
2d class.....	65,891	318,412	-252,521	66,436	330,711	-270,276	65,822
Controlled circulation publications.....	5,713	7,708	-1,994	6,735	8,886	-2,150	7,350
3d class.....	260,020	471,794	-205,894	281,479	551,287	-209,807	287,761
4th class (parcel post).....	502,815	607,911	-15,096	586,381	644,971	-58,590	584,243
Government mail.....	34,502	36,028	-1,526	40,100	37,784	+2,316	51,804
Penalty.....	32,426	32,494	-68	38,019	34,025	+3,994	40,545
Registry (free).....		1,589	-1,589		1,553	-1,553	
Franked.....	2,076	1,945	+131	2,081	2,207	-126	2,250
Free for the blind.....		912	-912		939	-939	
International mail.....	85,494	80,099	+4,495	90,975	89,816	+1,150	88,228
Special services.....	224,893	264,752	-39,859	225,148	259,389	-34,242	243,505
Registry (paid).....	31,688	39,456	-7,767	31,768	39,521	-7,755	37,789
Certified mail.....	4,003	4,427	-425	4,777	4,504	+272	6,704
Insurance.....	28,600	24,459	+708	28,307	21,920	+3,447	25,871
Collect on delivery.....	10,038	23,894	-7,856	14,020	22,086	-8,066	18,181
Special delivery.....	27,836	38,164	-10,318	28,904	40,448	-11,544	35,212
Money orders.....	65,405	90,419	-25,014	63,880	83,408	-19,527	71,018
Postal savings.....	13,023	6,448	+6,575	12,631	5,414	+7,117	10,111
Box rent service.....	25,946	19,163	+6,783	26,718	27,081	-305	26,635
Stamped envelope service.....	17,263	18,381	-1,068	16,587	14,408	+2,179	17,094
Unassignable.....	7,420	2,378	+4,442	6,776	2,769	+4,007	8,457
Nonpostal services.....	1,623	16,197	-14,574	1,468	18,388	-16,920	1,630
Allen address reporting.....	194	195	-1	210	223	-13	239
U.S. savings bonds and stamps.....	843	1,117	-275	652	1,085	-433	817
Civil service.....		2,846	-2,846		3,878	-3,378	
Documentary stamps.....		291	-291		395	-385	
Migratory bird stamps.....	116	155	-39	140	152	-12	130
Official mail messenger service.....		109	-109		190	-190	
Custodial service (public bldgs).....	356	11,310	-10,055	355	12,859	-12,504	410
Miscellaneous items, other agencies.....	114	114		110	117	-6	147

¹ Includes Civil Service Retirement costs (\$127,600,000); effective July 13, 1957, the Department is required to reimburse the Civil Service Retirement Fund for such costs. Excludes \$26 million apportioned for retroactive increases in rail rates for eastern roads granted by Interstate Commerce Commission in 1958.

² Includes reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenues and expenditure offsets.

³ Includes free letter mail from members of Armed Forces.

⁴ Includes paid airmail to and from Armed Forces overseas, and outlying areas of United States; also free airmail from members of Armed Forces, and airmail reimbursements.

Source: Post Office Department; *Cost Ascertainment Report*.

No. 648. PER CAPITA DOMESTIC POSTAGE PAID AND PIECES OF MAIL RECEIVED: 1945 TO 1958

[For years ending June 30]

ITEM	1945	1950	1951	1952	1953	1954	1955	1956	1957	1958
Postage paid per capita..... dollars..	7.83	9.41	10.18	10.61	11.26	12.11	12.47	12.68	12.88	12.88
Major domestic mail received per capita..... pieces..	287	287	294	307	308	310	324	325	334	335
Letters (1st class and airmail) do.....	166	168	174	179	181	177	184	189	194	195
2d class.....	42	42	43	45	43	40	41	41	41	41
3d class.....	41	69	69	75	76	86	92	88	92	92
Parcels.....	8	8	8	8	8	7	7	7	7	7

Source: Post Office Department; *Annual Report of the Postmaster General*.

POSTAL SERVICE

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No. 649. DELIVERY SERVICE—CITY AND VILLAGE, RURAL, AND SPECIAL: 1900 TO 1958

[As of June 30]

YEAR	CITY AND VILLAGE DELIVERY			RURAL DELIVERY				SPECIAL DELIVERY	
	Number of offices	Number of regular carriers	Annual cost ¹	Number of routes	Length of routes	Annual travel	Annual cost	Number of specials	Cost of service ²
1900	3,796	3,15,222	\$1,000	3,14,671	1,259	29	1,000 miles	420	1,000 \$1,000
1910	8,1402	3,28,715	3,31,738	41,079	993	303,007	36,915	15,440	5,192
1920	2,729	37,085	63,026	43,445	1,152	348,027	75,795	68,818	
1930	3,813	53,705	126,301	43,278	1,335	404,738	106,338	101,770	12,058
1940	4,020	58,407	143,663	32,646	1,402	424,704	91,441	96,381	11,488
1945	4,124	58,181	190,392	32,106	1,435	435,209	106,863	120,579	16,521
1950	4,667	90,216	406,517	32,619	1,403	453,260	159,887	115,044	32,464
1951	4,707	84,044	395,627	32,513	1,487	451,250	168,866	124,594	34,000
1952	4,786	85,864	406,000	32,546	1,500	455,345	188,735	122,634	40,511
1953	4,851	87,537	483,884	32,542	1,513	459,307	192,066	114,158	34,193
1954	4,948	89,671	506,223	32,370	1,527	463,909	191,772	106,285	34,917
1955	5,032	91,418	534,890	32,076	1,545	469,288	194,945	105,289	37,499
1956	5,128	94,692	603,747	31,888	1,583	480,120	205,812	107,933	38,164
1957	5,277	97,294	630,958	31,600	1,586	481,609	209,064	110,865	38,704
1958	5,418	102,098	727,840	31,465	1,616	490,671	226,552	96,484	(4)

¹ Represents audited expenditures.² Fees paid special messengers plus apportionment of other expenditures.³ City delivery service.⁴ Not available.Source: Post Office Department; *Annual Report of the Postmaster General and Cost Ascertainment Report*.

No. 650. POSTAL SERVICE EXPENDITURES, BY OBJECT: 1952 TO 1958

[In millions of dollars. For years ending June 30. Data cover expenditures during specified year and include unliquidated obligations, whether on account of that year or of previous years. See text, p. 505]

OBJECT	1952	1953	1954	1955	1956	1957	1958
Total apportioned expenditures ¹	2,680	2,760	2,677	2,738	2,913	2,972	3,473
Post Office operations	2,003	2,166	2,180	2,266	2,430	2,543	2,847
Salaries and travel of postmasters and assistants ²	149	154	242	249	266	278	319
Salaries and travel of clerks, etc.	869	905	802	826	871	906	1,017
City delivery service	466	484	506	635	604	631	728
Rural delivery service	189	192	192	195	206	209	227
Postal transportation service	171	181	179	180	191	192	212
All other	250	250	259	281	291	327	344
Transportation of mails	558	565	467	429	438	2,468	492
Railroad	350	345	318	207	293	2,318	336
Star route	38	41	41	40	41	42	44
Short haul truck	3	6	8	9	10	12	13
Domestic water transportation	3	3	3	3	3	3	3
Highway post offices	2	3	3	4	5	5	6
Domestic airmail	68	73	47	34	35	38	40
Foreign airmail	58	63	31	27	30	31	33
Other foreign mail ⁴	27	32	17	16	16	18	19
Claims and miscellaneous	6	6	7	6	6	8	7
General administration and overhead apportioned	23	22	24	38	45	55	127

¹ Before allowance for reimbursements, embossed envelope purchases, indemnity claims, and miscellaneous revenue and expenditure offsets (see footnote 2, table 647).² Expenditures for fiscal 1957 have been increased by \$26 million for retroactive increase in rail rates for eastern roads granted by the Interstate Commerce Commission in 1958.³ Beginning 1954, includes supervisors; formerly included with clerks.⁴ Includes terminal and transportation charges by foreign countries.Source: Post Office Department; *Cost Ascertainment Report*.

COMMUNICATIONS

No. 651. POST OFFICE OPERATIONS—VOLUME OF MAIL, BY CLASSES: 1950 TO 1958

[For years ending June 30]

CLASS OF MAIL	1950	1953	1954	1955	1956	1957	1958
PIECES OF MAIL (1,000,000)							
All mail.....							
Domestic.....	45,064	50,948	52,213	55,284	56,441	59,078	60,130
1st class.....	44,646	50,463	51,711	54,722	55,907	58,519	59,595
2d class.....	24,500	27,237	27,085	28,713	30,078	31,561	32,218
Airmail.....	863	1,430	1,470	1,467	1,487	1,483	1,435
2d class.....	6,265	6,702	6,483	6,740	6,915	6,888	7,148
3d class.....	10,343	12,004	13,866	15,050	14,076	15,702	15,849
4th class (parcel post).....	1,179	1,245	1,195	1,136	1,173	1,184	1,170
Publications.....	56	71	85	102	125	145	145
Penalty.....	1,472	1,658	1,492	1,480	1,412	1,510	1,560
Franked.....	32	49	45	48	61	61	67
Free for blind.....	2	3	3	3	4	4	4
International.....							
Regular mail ¹	417	485	502	512	534	559	534
Parcel post.....	190	216	224	235	224	240	224
U.S.A. gift parcels.....	9	12	10	8	8	9	8
U.S.A. gift parcels.....	12	1					
Publishers' 2d class.....	85	107	113	110	124	120	120
Airmail ²	121	148	153	157	177	188	181
Air parcel post.....	1	1	1	1	1	1	1
WEIGHT OF MAIL (1,000,000 pounds)							
All mail.....							
Domestic.....	11,521	11,204	11,004	10,844	10,929	11,071	11,119
1st class.....	11,176	10,962	10,803	10,668	10,758	10,893	10,945
Airmail.....	620	749	749	804	874	905	921
2d class.....	53	77	82	85	91	95	92
3d class.....	2,287	2,497	2,504	2,582	2,703	2,716	2,695
4th class (parcel post).....	646	727	811	892	915	949	988
Publications.....	7,370	6,052	6,404	6,035	5,904	5,931	5,861
Penalty.....	31	39	44	53	63	69	69
Franked.....	183	205	189	201	194	208	289
Free for blind.....	5	6	5	5	5	5	6
International.....							
Regular mail ¹	345	243	200	177	171	179	174
Parcel post.....	25	30	34	33	31	33	33
U.S.A. gift parcels.....	95	131	101	82	75	82	76
Publishers' 2d class.....	177	19					
Airmail ²	43	57	59	54	57	65	57
Air parcel post.....	4	5	5	6	6	7	6

¹ Included with 3d and 4th class prior to 1953.² Comprises letters, cards, and other articles.Source: Post Office Department; *Cost Ascertainment Report*.

No. 652. POST OFFICE EMPLOYEES, BY TYPE: 1940 TO 1958

[As of June 30. Beginning 1945, figures include classified and war-service regular employees of all activities]

TYPE	1940	1945	1950	1955	1956	1957	1958
Total ¹							
353,156	435,955	500,578	511,613	508,587	521,198	538,416	
Full time.....							
Departmental (bureaus and offices).....	266,076	278,442	363,774	368,901	373,383	370,721	392,599
1,431	1,526	1,775	1,530	1,343	1,300	1,329	
Regional ²	44,093	41,702	41,464	38,316	37,515	37,012	36,221
Postmasters.....	2,701	3,420	3,540	20,607	21,271	21,755	23,268
Post Office supervisors ³	82,010	93,941	141,032	128,457	129,973	132,097	138,264
Clerks, mail handlers, 1st- and 2d-class post offices ⁴	59,407	58,181	60,216	91,418	94,602	97,284	102,083
City and village carriers.....	82,570	82,031	82,553	82,022	81,837	81,015	81,411
Rural carriers.....	20,087	20,546	27,126	29,224	28,771	27,611	29,056
Postal transportation.....	17,328	18,806	15,748	13,358	13,543	13,835	13,895
Custodial service.....	5,549	8,398	10,265	9,390	10,020	10,533	10,795
All other.....	87,080	157,513	136,804	144,712	135,204	141,477	145,817

¹ 40-hour workweek for full-time field employees.² Comprises regional office and disbursement personnel, money order center, and supply center personnel, and beginning 1957, mailbag repair center and mailbag depository personnel formerly reported under Post Office clerks and mail handlers.³ Through 1950, assistant postmasters only.⁴ Through 1950, includes Post Office supervisors.Source: Post Office Department; *Annual Report of the Postmaster General*.

No. 653. POSTAL SERVICE OPERATION—NUMBER OF OFFICES, 1957 AND 1958, AND GROSS RECEIPTS, 1930 TO 1957, BY STATES AND FOR OTHER AREAS

[For years ending June 30, except as noted]

STATE OR OTHER AREA	NUMBER OF POST OFFICES		GROSS POSTAL RECEIPTS (\$1,000) ¹						
	1957	1958	1930	1940	1945	1950	1955	1956 ²	1957 ²
Grand total.....	37,012	36,308	686,351	729,780	1,243,674	1,603,628	2,266,121	2,410,837	2,412,573
Continental U. S.	36,566	35,878	684,927	727,273	1,217,997	1,596,019	2,253,203	2,396,999	2,398,821
New England.....	2,155	2,120	51,375	54,022	77,245	112,173	151,063	158,612	158,444
Maine.....	631	621	3,912	3,925	5,834	6,765	8,420	8,749	8,763
New Hampshire.....	313	308	2,288	2,718	3,815	5,208	7,772	7,643	7,655
Vermont.....	328	326	1,703	1,846	2,408	3,239	4,088	4,295	4,391
Massachusetts.....	543	532	25,627	29,796	42,120	63,032	82,787	86,073	86,064
Rhode Island.....	66	62	3,297	3,614	5,970	7,961	11,056	11,321	11,181
Connecticut.....	274	271	10,550	12,224	17,100	25,972	30,940	40,531	40,390
Middle Atlantic.....	4,564	4,505	194,927	195,685	324,915	437,889	604,509	641,272	642,197
New York.....	1,803	1,782	125,072	120,888	210,835	275,433	375,582	394,580	305,229
New Jersey.....	584	574	19,768	23,207	35,122	53,059	80,720	90,388	91,047
Pennsylvania.....	2,177	2,149	50,087	51,590	78,958	109,397	148,207	155,800	155,921
East North Central.....	5,274	5,204	175,748	180,346	259,051	372,050	521,177	562,357	562,970
Ohio.....	1,242	1,209	42,088	41,688	62,071	86,039	122,691	129,766	129,902
Indiana.....	844	835	15,613	16,810	26,745	35,755	50,291	55,068	55,726
Illinois.....	1,385	1,379	78,767	79,257	104,724	157,303	216,108	228,066	228,285
Michigan.....	949	941	24,133	26,870	42,109	58,635	84,707	88,394	88,601
Wisconsin.....	854	840	15,187	15,740	23,402	34,318	47,320	50,463	50,466
West North Central.....	5,721	5,639	80,641	76,171	111,234	155,302	209,681	220,119	219,626
Minnesota.....	959	954	17,614	17,600	24,886	35,560	48,715	52,102	52,119
Iowa.....	1,050	1,038	13,504	12,912	18,531	25,354	34,861	36,719	36,511
Missouri.....	1,224	1,187	28,988	26,806	37,517	56,684	75,156	78,328	78,010
North Dakota.....	554	546	2,721	2,747	3,583	4,579	5,577	5,751	5,780
South Dakota.....	497	486	2,750	2,614	3,086	4,663	6,019	6,187	6,176
Nebraska.....	623	621	7,279	6,926	10,397	13,704	18,522	19,069	19,085
Kansas.....	814	807	7,785	7,669	12,633	14,763	20,831	21,063	21,965
South Atlantic.....	5,944	5,815	52,293	65,839	124,543	150,838	222,678	238,471	237,673
Delaware.....	64	61	1,233	1,769	2,574	3,727	5,502	5,725	5,702
Maryland.....	509	499	8,519	9,495	15,328	19,877	27,180	28,044	28,679
Dist. of Columbia.....	1	1	6,047	8,242	18,037	19,731	27,352	27,606	27,672
Virginia.....	1,399	1,356	7,985	9,617	18,013	21,198	29,681	31,818	31,245
West Virginia.....	1,333	1,320	4,611	5,142	8,725	9,349	12,164	12,619	12,560
North Carolina.....	882	864	6,830	9,407	19,175	23,247	31,324	32,895	32,940
South Carolina.....	441	440	2,174	2,832	4,897	6,656	13,020	13,787	13,818
Georgia.....	768	738	9,220	10,630	18,681	23,812	37,694	37,694	37,586
Florida.....	547	536	5,674	8,875	18,561	23,242	40,404	48,223	47,475
East South Central.....	3,878	3,727	23,736	26,881	49,905	58,411	84,504	89,017	89,191
Kentucky.....	1,831	1,725	6,827	7,304	12,472	14,804	21,390	22,243	22,300
Tennessee.....	676	655	8,546	9,706	17,528	22,629	32,112	33,884	33,960
Alabama.....	793	765	5,108	5,961	11,991	13,118	19,682	21,138	21,163
Mississippi.....	578	572	3,255	3,820	7,914	7,860	11,308	11,752	11,759
West South Central.....	3,964	3,804	37,240	42,606	81,886	98,003	144,480	156,740	156,973
Arkansas.....	842	824	3,828	4,115	7,995	8,441	11,048	11,710	11,638
Louisiana.....	610	605	5,486	6,684	13,778	14,781	21,272	23,846	23,404
Oklahoma.....	745	729	7,272	7,375	13,032	14,720	20,862	22,376	22,302
Texas.....	1,767	1,736	20,654	24,433	47,080	60,061	91,298	99,308	99,539
Mountain.....	2,598	2,556	17,276	19,778	32,171	41,878	64,189	69,741	70,004
Montana.....	471	461	2,446	2,813	3,682	4,850	6,555	6,908	6,899
Idaho.....	348	339	1,513	1,878	2,815	3,597	5,180	5,507	5,515
Wyoming.....	234	231	903	1,189	1,811	2,302	3,169	3,255	3,261
Colorado.....	480	488	6,819	7,158	10,701	14,801	22,688	24,026	24,634
New Mexico.....	418	411	1,089	1,631	2,997	3,881	6,227	6,924	6,931
Arizona.....	247	244	1,582	1,930	4,228	5,460	9,305	10,900	10,920
Utah.....	274	269	2,347	2,494	4,591	5,487	8,249	8,651	8,808
Nevada.....	117	118	537	686	1,345	1,495	2,816	2,970	3,036
Pacific.....	2,468	2,418	51,378	64,743	155,143	166,583	249,027	268,679	269,368
Washington.....	608	597	8,719	9,964	21,402	23,370	32,168	33,525	33,572
Oregon.....	503	477	5,436	6,719	11,152	15,591	21,201	22,192	22,198
California.....	1,857	1,344	37,223	48,080	122,589	127,622	195,658	212,962	213,598
Philatelic agency.....			817	1,101	1,903	2,892	1,895	1,991	2,375
Alaska.....	227	222	104	170	413	962	2,467	2,597	2,597
Hawaii.....	99	88	774	1,480	22,720	3,956	5,603	6,037	6,018
Puerto Rico.....	105	105	527	809	2,489	2,415	4,260	4,635	4,569
Virgin Islands.....	5	5	15	36	48	75	205	267	267
Other areas ³	10	10	3	13	(4)	201	388	302	301

¹ Excludes revenues from money-order business, postal savings, and certain miscellaneous items.

² Calendar year.

³ Comprises Canton Island, Guam, Samoa (Tutuila), Wake, Caroline, Mariana and Marshall Islands.

⁴ Less than \$500.

No. 654. TELEPHONES, CALLS, AND RATES: 1930 TO 1958

[As of December 31, except toll rates]

ITEM	1930	1935	1940	1945	1950	1955	1957	1958
Telephones.....	1,000	20,103	17,424	21,928	27,867	43,004	56,243	63,621
Total per 1,000 population.....	162.6	136.4	165.1	198.1	280.9	337.2	368.8	379.4
Bell companies ¹	1,000	15,990	14,280	18,312	23,547	36,797	48,029	54,241
Dial operated ¹	do.....	4,019	5,733	10,868	15,086	27,747	41,508	49,618
Independent companies.....		4,118	8,144	3,616	4,320	6,207	8,214	9,880
Average daily conversations (1,000):								
Bell companies ^{1,2}		66,618	62,721	82,367	94,214	144,909	178,858	193,794
Local ¹		63,637	60,417	79,515	89,362	138,881	166,438	185,304
Long distance ^{1,2}		2,981	2,304	2,852	4,852	6,118	7,420	8,490
Independent companies ¹		16,902	13,279	16,942	18,970	30,295	39,417	40,000
Local.....		16,588	13,028	16,434	18,022	29,078	37,840	44,250
Long distance ¹		314	256	508	948	1,217	1,577	1,760
Toll rates in effect, from New York City to: ³								
Philadelphia.....		\$0.50	\$0.50	\$0.45	\$0.45	\$0.45	\$0.50	\$0.50
Chicago.....		3.00	2.50	1.90	1.75	1.55	1.50	1.50
Denver.....		6.00	5.25	3.25	2.35	2.20	2.20	2.20
San Francisco.....		9.00	7.50	4.00	2.50	2.50	2.50	2.50

¹ Comprises American Telephone and Telegraph Company and its principal telephone subsidiaries, plus Southern New England and Cincinnati and Suburban Bell Telephone Companies and telephones serviced by Bell System companies.

² Includes messages originating in independent company areas routed in part over Bell facilities.

³ Source: Federal Communications Commission. Represents rate for station-to-station, daytime, 3-minute call.

⁴ For 1936.

Source: American Telephone and Telegraph Company, New York, N.Y., except as noted; compiled from annual reports of A.T. & T. Co. and its principal telephone subsidiaries and Southern New England and Cincinnati and Suburban Companies, and other records.

No. 655. BELL TELEPHONE SYSTEM—SUMMARY: 1930 TO 1958

[As of December 31. Comprises American Telephone and Telegraph Company and its principal telephone subsidiaries, plus Southern New England and Cincinnati and Suburban Bell Telephone Companies]

ITEM	1930	1935	1940	1945	1950	1955	1957	1958
Central offices, number.....	6,770	7,028	7,189	7,523	8,656	9,958	10,568	10,807
Miles of wire ¹	1,000	75,567	80,439	91,274	101,813	144,256	201,235	243,729
Percent total wire mileage in cable.....	92.0	95.2	95.8	96.0	96.6	97.4	97.5	97.6
Miles of coaxial tube.....				10,146	62,741	78,547	88,484	90,442
Miles of microwave radio relay, broad band 1-way channel.....						7,517	125,438	179,267
Book value of plant (cost) \$1,000,000.....	4,149	4,305	4,887	5,866	10,375	15,773	19,654	21,225
Operating revenues.....	1,115	947	1,206	1,970	3,842	5,425	6,468	6,938
Local exchange.....	738	647	811	1,073	1,997	3,168	3,744	4,049
Toll.....	347	276	361	845	1,208	2,000	2,407	2,543
Operating expenses ²	862	734	913	1,455	2,653	4,040	4,700	4,912
Federal income taxes.....	22	21	64	250	248	644	773	940
Interest expense.....	67	58	43	47	115	134	177	216
Net income.....	195	148	224	188	367	697	868	1,002
Dividends declared ³	187	184	180	188	263	484	608	649
Employees, number.....	326,593	248,032	282,224	306,567	534,751	629,773	656,100	666,340
Wages and salaries.....	\$1,000,000	538	391	522	911	1,742	2,631	3,043

¹ Excludes drop and block wire.

² Includes operating taxes other than Federal income.

³ Excludes intercompany payments.

Source: American Telephone and Telegraph Company, New York, N.Y.; compiled from annual reports of A.T. & T. Co. and its principal telephone subsidiaries and Southern New England and Cincinnati and Suburban Companies, and other records.

TELEPHONE SYSTEMS

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No. 656. TELEPHONE SYSTEMS—SUMMARY, CLASS A CARRIERS: 1930 TO 1957

[All money figures in millions. Includes Hawaii and Puerto Rico. Excludes intercompany duplications. Covers class A telephone carriers filing annual reports with FCC. Class A carriers are those whose annual operating revenues exceeded \$100,000 for years prior to 1951, and \$250,000 thereafter; comparability of data relatively unaffected by change in coverage. Gross operating revenues of class A carriers (excluding intercompany duplications of Bell System) reporting in 1937 represented approximately 94 percent of revenues of all telephone carriers as reported for Census of Electrical Industries for that year]

YEAR	Miles of wire (1,000)	Telephones (1,000)	Employees, number ¹	Total compensation ²	YEAR	Miles of wire (1,000)	Telephones (1,000)	Employees, number ¹	Total compensation ²
1930	80,660	17,139	347,106	\$566	1950	147,380	38,525	564,904	\$1,798
1935	82,578	15,157	265,699	403	1951	164,810	40,426	586,809	1,976
1940	93,688	19,336	304,595	537	1952	164,776	42,404	615,141	2,201
1945	104,388	24,814	398,263	936	1953	175,929	44,363	625,882	2,379
1946	110,029	28,308	526,175	1,305	1954	188,839	46,482	614,360	2,497
1947	117,651	31,277	556,682	1,436	1955	204,879	49,763	648,827	2,663
1948	129,206	34,224	585,456	1,667	1956	224,513	53,251	683,020	2,954
1949	138,367	36,416	559,718	1,754	1957	249,221	56,436	686,959	3,122

YEAR	Number of carriers	Investment in telephone plant	DEPRECIATION AND AMORTIZATION RESERVES		Operating revenues	Operating ratio ³ (percent)	Taxes	Net operating income after all tax deductions	Net income	Dividends declared
			Amount	Ratio to investment (percent)						
1935 ⁴	91	\$4,472	\$1,106	24.74	\$973	69.65	\$99	\$196	\$151	\$187
1940	78	5,071	1,438	28.35	1,248	65.33	194	237	221	185
1945	76	6,057	2,167	35.77	2,037	65.89	421	274	191	193
1947	73	7,786	2,513	32.28	2,956	80.38	261	201	171	204
1948	71	9,106	2,664	29.26	2,773	78.92	311	274	228	210
1949	71	9,988	2,795	28.00	3,066	77.47	367	322	259	234
1950	71	10,702	2,979	27.84	3,445	71.52	526	455	372	270
1951	56	11,547	3,186	27.60	3,818	70.68	659	460	377	303
1952	54	12,609	3,411	27.06	4,229	70.63	738	504	421	346
1953	54	15,750	3,618	26.31	4,628	69.64	838	567	497	399
1954	52	14,899	3,836	25.75	5,013	68.55	920	648	570	450
1955	53	16,224	4,098	26.26	5,562	66.60	1,094	764	694	498
1956	56	18,081	4,332	23.96	6,122	66.39	1,218	840	783	563
1957	54	20,817	4,607	22.68	6,642	65.89	1,381	934	801	620

¹ As of Dec. 31 prior to 1943; end of October, thereafter. ² Data for 1930 include estimates.

³ Ratio of operating expenses to operating revenues.

⁴ Not exactly comparable with later years because of revisions of Uniform System of Accounts, effective Jan. 1, 1937.

Source: Federal Communications Commission; annual report, *Statistics of Communications Common Carriers* (prior to 1957 titled *Statistics of the Communications Industry in the United States*).

No. 657. RURAL ELECTRIFICATION ADMINISTRATION—TELEPHONE PROGRAM, SUMMARY OF OPERATIONS: 1950 TO 1958

ITEM	1950	1953	1954	1955	1956	1957	1958
Loans approved, cumulative, Dec. 31: ¹							
Borrowers	61	240	309	415	509	576	638
Amount (\$1,000)	18,831	160,639	208,647	273,680	351,501	426,088	526,540
Route miles of line provided for, cumulative, Dec. 31:	21,408	104,238	141,079	178,633	221,841	258,590	297,322
To be added ²	18,833	96,056	131,814	163,484	196,243	224,515	257,392
To be retained ³	1,875	8,182	9,765	15,149	25,598	34,075	39,930
Subscribers provided for, cumulative, Dec. 31:	74,585	343,708	456,799	606,894	784,172	928,861	1,100,234
To receive initial service	45,449	186,270	240,969	310,700	373,618	427,321	495,994
To receive improved service	20,136	157,438	215,830	296,104	410,554	501,540	604,240
Borrowers' operations: ⁴							
Borrowers reporting, Dec. 31	(6)	(6)	176	285	406	515	556
Subscribers served, Dec. 31	(6)	(6)	156,746	283,581	435,155	604,702	693,831
Telephones in service, Dec. 31	(6)	(6)	168,100	308,828	467,511	655,004	755,533
Total operating revenues during year (\$1,000)	(6)	(6)	8,162	16,359	26,714	40,835	47,996

¹ Net loans (revisions deducted). ² Route miles of line to be constructed or rebuilt.

³ Excludes route miles of line to be rebuilt. ⁴ Preliminary data.

⁵ As of June 30. ⁷ For 12 months ending June 30.

Source: Department of Agriculture, Rural Electrification Administration; published in part in *Agricultural Statistics*.

COMMUNICATIONS

No. 658. TELEPHONE SYSTEMS—SELECTED DATA OF CLASS A CARRIERS, BY STATES AND FOR OTHER AREAS: 1957

[For year ending December 31. Represents class A carriers (those having annual operating revenues exceeding \$250,000) reporting to Federal Communications Commission]

STATE OR OTHER AREA	Miles of wire in cable ¹	Miles of aerial wire	Central offices	NUMBER OF CALLS ORIGINATING FROM COMPANY AND SERV- ICE TELEPHONES ²			COMPANY TELEPHONES ³	
				Local	Toll	Total	Business	Residence
	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total	242,620	4,6,600	11,935	87,851,859	3,137,306	55,840	16,304	39,536
Cont. U. S.	241,957	6,577	11,848	87,368,370	3,131,392	55,612	16,218	39,394
Alabama	2,928	158	138	1,389,500	22,312	607	160	457
Arizona	1,538	75	77	518,200	11,225	311	100	202
Arkansas	1,146	129	117	561,808	14,726	286	87	198
California	25,835	317	837	8,702,354	241,467	5,276	1,688	3,588
Colorado	2,163	143	215	1,017,200	21,730	635	109	486
Connecticut	5,927	65	157	1,507,825	102,760	1,137	316	821
Delaware	853	15	35	241,380	14,816	190	55	135
Dist. of Col.	2,100	—	87	829,800	16,228	579	276	303
Florida	5,684	97	155	1,741,900	40,375	1,027	369	668
Georgia	4,410	230	232	1,871,201	42,828	871	249	622
Idaho	491	81	115	313,777	9,426	187	52	135
Illinois	15,107	169	445	4,438,700	266,517	3,485	1,121	2,304
Indiana	5,064	182	308	2,111,651	75,173	1,333	351	682
Iowa	2,078	167	201	962,384	30,987	656	165	491
Kansas	2,671	183	205	928,400	22,846	634	167	467
Kentucky	2,111	172	216	1,073,900	22,623	545	133	412
Louisiana	3,984	148	215	2,104,710	40,355	847	232	615
Maine	1,028	69	144	353,500	17,687	253	60	184
Maryland	5,106	114	210	1,459,400	51,357	1,089	273	816
Massachusetts	8,367	79	360	3,012,000	180,612	2,098	590	1,503
Michigan	11,715	857	610	4,761,012	131,018	2,914	787	2,177
Minnesota	3,693	150	217	1,710,700	28,706	950	262	688
Mississippi	1,322	160	208	745,700	20,357	338	93	246
Missouri	5,910	173	284	2,163,871	59,733	1,295	374	921
Montana	415	89	113	295,252	7,914	191	55	136
Nebraska	1,028	68	126	445,045	12,120	277	79	198
Nevada	261	35	26	66,694	3,101	46	19	27
New Hampshire	664	48	123	222,000	16,510	186	49	136
New Jersey	11,423	62	297	2,893,949	400,905	2,513	658	1,855
New Mexico	722	68	72	383,855	10,336	216	79	137
New York	30,457	208	944	10,003,172	335,569	7,344	2,374	4,970
North Carolina	3,581	243	261	1,487,873	39,672	742	209	533
North Dakota	228	69	148	188,100	5,670	110	33	77
Ohio	12,642	203	504	4,711,795	124,901	3,020	782	2,238
Oklahoma	3,112	171	247	1,240,477	33,488	700	214	486
Oregon	2,434	97	196	971,095	32,208	683	170	413
Pennsylvania	15,024	163	531	4,805,900	212,912	3,819	979	2,840
Rhode Island	1,365	14	46	497,711	19,893	310	84	226
South Carolina	2,036	130	122	769,555	18,642	378	108	285
South Dakota	359	91	142	222,600	6,300	148	41	107
Tennessee	4,245	235	244	2,136,417	83,428	922	243	629
Texas	13,864	481	764	5,194,697	119,910	2,650	830	1,829
Utah	987	55	90	573,400	10,074	288	77	211
Vermont	375	40	88	128,200	9,027	104	29	76
Virginia	4,908	171	241	1,582,373	50,555	969	276	603
Washington	4,032	161	276	1,680,041	45,338	902	276	716
West Virginia	1,690	80	149	737,865	26,938	452	116	336
Wisconsin	4,363	183	172	1,846,400	30,752	1,006	288	718
Wyoming	336	49	63	163,751	5,099	106	33	78
Hawaii	457	10	65	834,018	2,918	166	49	117
Puerto Rico	206	9	72	149,471	2,996	62	37	25

¹ Excludes ocean cable.

² Partly estimated.

³ Comprises main, P. B. X. (those directly connected with private branch exchanges), and extension telephones.

⁴ Includes data for Canada, not shown separately.

Source: Federal Communications Commission; annual report, *Statistics of Communications Common Carriers* (prior to 1957 titled *Statistics of the Communications Industry in the United States*).

TELEGRAPH CARRIERS

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NO. 659. DOMESTIC AND INTERNATIONAL TELEGRAPH CARRIERS—SUMMARY:
1930 TO 1957

[Figures comprise principal carriers filing annual reports with Federal Communications Commission]

ITEM	1930	1940	1950	1955	1956	1957
DOMESTIC TELEGRAPH						
Number of carriers	2	2	1	1	1	1
Investment in plant and equipment	\$1,000	379,869	375,021	294,451	310,968	332,726
Depreciation and amortization reserves	do	53,095	97,746	128,227	135,826	141,490
Capital stock	do	104,144	109,874	104,836	15,554	15,578
Funded debt ¹	do	157,602	88,881	55,922	45,302	43,278
Total surplus	do	111,332	114,256	52,084	189,564	197,617
Revenue messages transmitted ²	1,000	211,971	191,045	178,904	163,910	151,600
Message revenues	\$1,000	131,453	97,906	152,248	185,855	192,474
Total operating revenues	do	148,223	114,587	177,994	225,816	238,302
Operating revenue deductions ³	do	139,141	110,856	167,280	206,024	219,231
Operating ratio	percent	93.87	96.74	98.98	90.04	91.97
Operating income ⁴	\$1,000	8,590	3,731	8,664	13,179	12,465
Net income transferred to earned surplus (incl. cable operations of Western Union)	do	7,064	597	8,936	11,686	14,208
Dividends declared	do	8,188	1,045	2,459	5,695	6,226
Miles of wire in cable	1,000	357	449	369	388	391
Miles of aerial wire	do	1,912	1,820	929	712	699
Number of employees ⁷	do	84,962	59,670	40,452	37,785	37,754
Total compensation	\$1,000	108,557	74,736	116,937	143,289	153,625
Average compensation per employee	dollars	1,278	1,252	2,880	3,792	4,069
INTERNATIONAL TELEGRAPH						
Ocean-cable:						
Number of carriers	5	5	4	3	3	3
Investment in plant and equipment	\$1,000	110,966	111,120	97,283	98,226	94,308
Depreciation and amortization reserves	do	53,930	64,492	63,911	57,972	58,026
Capital stock	do	73,723	45,841	22,255	18,255	18,255
Funded debt ¹	do	26,050	do	do	1,600	2,801
Total surplus	do	26,876	\$10,928	1,212	927	24
Revenue messages transmitted ³	1,000	15,258	7,607	9,969	10,671	11,012
Message revenues	\$1,000	27,245	16,733	23,392	23,105	23,532
Total operating revenues	do	27,811	17,840	24,649	33,459	34,370
Operating revenue deductions ³	do	19,313	16,039	22,263	29,158	29,822
Operating ratio	percent	71.24	89.90	90.32	87.15	86.77
Operating income ⁴	\$1,000	7,712	1,434	1,937	1,461	3,079
Net income transferred to earned surplus (excl. cable operations of Western Union)	do	6,281	1,348	582	131	\$ 20
Dividends declared	do	15,416	987	884	884	884
Miles (nautical) of ocean cable	1,000	98	95	88	76	76
Miles of wire in non-ocean cable	do	4	8	6	5	6
Miles of aerial wire	do	10	8	7	7	7
Number of employees ⁷	do	6,880	4,534	5,495	5,919	6,065
Total compensation	\$1,000	9,795	6,602	12,031	15,925	16,469
Radiotelegraph:						
Number of carriers	7	8	7	7	7	6
Investment in plant and equipment	\$1,000	27,270	30,886	38,885	41,952	45,450
Depreciation and amortization reserves	do	11,094	16,748	18,846	18,480	19,603
Capital stock	do	15,922	7,724	13,614	13,182	12,419
Funded debt ¹	do	4,875	1,227	8,807	3,806	3,523
Total surplus	do	1,242	18,600	13,777	25,025	23,543
Revenue messages transmitted ³	1,000	5,151	8,952	12,609	14,971	16,336
Message revenues	\$1,000	6,358	12,537	22,230	27,388	30,631
Total operating revenues	do	7,549	14,247	25,684	34,501	39,102
Operating revenue deductions ³	do	7,197	10,908	22,963	29,208	31,040
Operating ratio	percent	95.34	77.18	89.41	84.44	79.38
Operating income ⁴	\$1,000	272	2,259	1,807	1,652	3,761
Net income transferred to earned surplus	do	372	2,025	2,378	3,584	4,058
Dividends declared	do	888	8	650	600	900
Number of employees ⁷	do	2,119	3,549	5,264	5,925	5,241
Total compensation	\$1,000	3,809	6,207	18,209	24,624	24,819
Average compensation per employee ¹⁰	dollars	1,512	1,556	2,811	3,424	3,652

¹ Data for Western Union included in domestic telegraph; not segregable between domestic telegraph and ocean cable operations. ² Includes long-term advances from affiliates.³ Principally as estimated by reporting carriers on basis of actual counts for test periods.⁴ Beginning 1950, press messages included on unquoted basis; equated basis for prior years.⁵ Includes depreciation and operating taxes.⁶ After recorded provision for Federal income taxes including those on non-communications activities.⁷ End of June for 1930, December for 1940, and October thereafter. ⁸ Deficit or other reverse item.⁹ See radiotelegraph for average annual compensation. ¹⁰ Ocean-cable and radiotelegraph combined.

No. 660. RADIO AND OCEAN-CABLE TELEPHONE SERVICE, BY CLASS: 1955 TO 1957

[In thousands. For 1957, covers radio and ocean-cable telephone service offered by 33 of the 54 class A telephone carriers; in addition, service between fixed stations and marine service with revenue amounting to \$1,736,327. Is offered by 3 radio-telegraph carriers and 1 cable carrier, details for which were not reported.]

CLASS OF SERVICE	1955		1956		1957	
	Number of chargeable calls	Gross revenues	Number of chargeable calls	Gross revenues	Number of chargeable calls	Gross revenues
FIXED STATIONS AND OCEAN-CABLE¹						
Message service, total.....	1,504	\$13,847	1,728	\$16,729	2,544	\$23,710
Overseas, total.....	1,194	13,001	1,394	15,802	2,178	22,670
Bermuda and trans-Atlantic.....	427	5,064	524	6,249	699	9,224
Central and South American and Caribbean.....	413	4,155	480	5,037	² 1,067	² 8,710
Trans-Pacific.....	354	3,782	390	4,496	422	4,745
Interstate, intrastate, intraterritory and intrapossession.....	810	846	334	927	366	1,031
Private line service, overseas.....		148		188		718
MOBILE STATIONS						
Marine service to mobile stations.....	653	1,065	691	1,199	708	1,295
General service.....	554	986	611	1,181	646	1,242
Dispatching service.....	99	79	80	68	62	53
Domestic public land mobile radio services ³	3,942	5,992	4,206	6,560	4,191	6,799
General service.....	3,190	5,003	3,500	5,631	3,540	5,801
Direct dispatching service.....	701	609	649	854	593	837
Signalling or paging service.....	61	68	48	63	58	73
Other.....		12		12		
Private mobile radiotelephone systems.....		5,360		7,529		8,617

¹ For 1955 and 1956, fixed stations only.

² Includes 513,000 Cuban calls with revenues amounting to \$3,154,000. Corresponding data (not included in the figures shown) for 1955 and 1956 are 366,000 and 438,000 calls, respectively, with revenues not available.

³ In addition, there were in operation other mobile radio systems, of which most were operated by small miscellaneous common carriers. As of Dec. 31, 1955, 1956, and 1957, there were, respectively, 332, 350, and 390 such systems, with gross operating revenues of \$1,996,926, \$2,278,637, and \$2,780,705.

Source: Federal Communications Commission; annual report, *Statistics of Communications Common Carriers* (prior to 1957 titled *Statistics of the Communications Industry in the United States*).

No. 661. WESTERN UNION TELEGRAPH COMPANY—LINE AND WIRE MILEAGE, OFFICES AND FINANCES: 1900 TO 1958

[As of June 30 through 1910; December 31 thereafter]

YEAR	Miles of pole line and cable ¹	Miles of wire ¹	Channel miles in telegraph circuits ²	Number of offices ³	Receipts	Expenses	Net income ⁴
	1,000	1,000	1,000		\$1,000	\$1,000	\$1,000
1900.....	193	933	22,900	24,760	18,503	6,105	
1910.....	214	1,429	24,826	33,889	26,614	7,273	
1915.....	239	1,611	25,142	52,476	40,973	11,500	
1920.....	246	1,450	24,881	121,474	108,134	13,340	
1925.....	246	1,635	24,428	129,152	112,862	16,205	
1930.....	267	1,940	4	24,298	128,988	9,248	
1935.....	255	1,906	4	20,964	91,389	86,131	5,258
1940.....	249	1,916	27	10,140	101,275	97,656	3,622
1945.....	276	2,201	150	18,687	104,271	189,837	4,435
1950.....	132	1,338	1,788	16,202	187,821	180,501	7,320
1952.....	121	1,233	2,090	14,704	198,261	195,158	1,103
1953.....	120	1,191	3,211	13,693	221,650	213,216	8,336
1954.....	116	1,167	3,420	12,802	223,288	213,903	9,385
1955.....	112	1,137	3,622	12,388	243,362	230,321	13,041
1956.....	111	1,125	4,023	11,956	254,161	240,390	13,771
1957.....	111	1,116	4,188	11,401	261,977	249,348	12,639
1958.....	110	1,114	4,446	10,515	256,982	245,055	11,927

¹ Pole and wire mileages reflect acquisition on Oct. 7, 1943, of facilities of Postal Telegraph Companies.

² In use chiefly on the company's trunk lines through 1952; beginning 1953, represents all telegraph circuits.

³ Excludes agency and commission offices, numbering 10,752 on Dec. 31, 1958.

⁴ Figures for 1915 and prior years represent net income before bond interest.

Source: Western Union Telegraph Company, New York, N. Y.

BROADCAST STATIONS

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No. 662. BROADCAST AND OTHER RADIO STATIONS AUTHORIZED AND OPERATORS LICENSED, BY CLASS: 1955, 1957, AND 1958

[As of June 30. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands]

CLASS OF STATION OR OPERATOR	1955	1957	1958	CLASS OF STATION OR OPERATOR	1955	1957	1958
Safety and special radio services ¹	300,227	375,955	437,851	Public safety services—Continued			
Amateur and disaster services	142,387	165,908	187,362	Special emergency	1,839	2,727	3,325
Amateur	130,993	160,000	170,314	State guard	188	22	10
Disaster	317	347	380	Public safety (combined)	29	110	158
Radio amateur civil emergency service	2,077	5,561	7,668	Broadcast services ²	6,257	8,034	9,037
Aviation services	43,855	49,699	62,634	Commercial AM	2,840	3,238	3,353
Aircraft	30,228	33,753	42,637	Commercial TV	382	651	665
Aeronautical and fixed	2,082	2,497	3,122	Educational TV	34	49	53
Civil air patrol	11,108	12,877	10,044	TV translator	(*)	74	156
Other	437	572	581	Auxiliary TV	516	778	861
Industrial services	24,884	35,711	39,978	Experimental TV	15	18	17
Power	8,132	10,617	11,320	Commercial FM	552	561	634
Petroleum	6,178	6,899	7,151	Educational FM	127	148	157
Forest products	1,144	1,613	1,648	International	(*)	2	2
Special industrial	8,190	14,456	17,107	Remote pickup	1,546	2,461	3,087
Low power industrial	933	1,861	2,333	Studio transmitter link	48	53	51
Relay press	82	121	130	Developmental	2	1	1
Motion picture	43	60	71	Common carrier services ³	1,948	2,700	3,271
Other	152	184	218	Experimental	1,175		
Land transportation services	20,002	37,523	48,801	Point to point micro-wave			
Citizens	12,334	27,931	38,611	Local TV transmission			
Railroad	1,405	2,007	2,265	Rural radio			
Taxicab	4,526	4,842	4,733	Developmental			
Automobile emergency	411	765	902	Domestic public land mobile	724	941	1,058
Other	1,326	1,078	2,230	Fixed public telephone	19	11	11
Marine services	50,714	63,844	72,514	Fixed public telegraph	30	39	39
Ship	49,594	62,494	70,911	Radio operators	1,123,125	1,469,495	1,681,592
Coastal	243	316	434	Commercial operators	986,363	1,304,300	1,500,854
Alaskan	786	909	1,054	Amateur operators	136,762	165,195	180,738
Other	91	125	115	Experimental services, miscellaneous	625	788	834
Public safety services	18,415	23,270	26,512				
Police	9,725	11,501	12,450				
Fire	2,337	3,820	4,725				
Forestry conservation	2,967	2,959	3,204				
Highway maintenance	1,330	2,131	2,580				

¹ Each license, construction permit, or combination construction permit and license is counted as one station; therefore, a station might include a transmitter and many mobile units.

² Stations licensed or holding construction permits.

³ Not available.

Source: Federal Communications Commission: *Annual Report*.

COMMUNICATIONS

No. 663. COMMERCIAL BROADCAST STATIONS AUTHORIZED AND ON THE AIR:
1945 TO 1959

[As of January 1. Includes Alaska, Hawaii, Puerto Rico, Virgin Islands, and beginning 1956, Guam. Figures differ from those shown in table 664 because of different tabulations.]

YEAR	TOTAL		AM RADIO		FM RADIO		TELEVISION	
	Author- ized	On the air						
1945	969	936	908	884	52	46	9	6
1946	1,236	967	969	913	268	48	9	6
1947	2,221	1,174	1,485	1,027	684	140	52	7
1948	3,010	1,077	1,927	1,586	1,010	374	73	17
1949	3,182	2,627	2,002	1,877	966	700	124	50
1950	3,098	2,881	2,109	2,051	788	733	111	97
1951	3,129	2,981	2,317	2,198	703	676	109	107
1952	3,132	3,042	2,374	2,297	650	637	108	108
1953	3,893	3,102	2,400	2,357	630	616	273	129
1954	3,749	3,403	2,602	2,487	580	560	567	356
1955	3,875	3,627	2,740	2,635	559	553	576	439
1956	4,048	3,812	2,901	2,790	557	540	590	482
1957	4,276	4,015	3,091	2,974	554	530	631	511
1958	4,542	4,276	3,295	3,195	590	537	657	544
1959	4,801	4,466	3,440	3,326	606	578	606	502

¹ Includes 39 stations operating on a noncommercial basis.

Source: Federal Communications Commission.

No. 664. COMMERCIAL BROADCAST STATIONS ON THE AIR, BY STATES AND FOR OTHER AREAS: JANUARY 1, 1958

STATE OR OTHER AREA	Total	AM	FM	TV	STATE OR OTHER AREA	Total	AM	FM	TV
Total.....	4,152	3,156	505	491	Nebraska.....	41	33	-	8
Cont. U.S.....	4,078	3,099	504	475	Nevada.....	22	17	1	4
Alabama.....	124	101	14	9	New Hampshire.....	19	14	4	1
Arizona.....	50	40	2	8	New Jersey.....	32	24	7	1
Arkansas.....	69	59	4	6	New Mexico.....	47	38	3	6
California.....	245	172	45	28	New York.....	184	119	41	24
Colorado.....	67	54	4	9	North Carolina.....	178	131	35	12
Connecticut.....	40	28	6	6	North Dakota.....	24	16	-	8
Delaware.....	12	9	2	1	Ohio.....	140	85	37	18
Dist. of Columbia.....	20	7	9	4	Oklahoma.....	63	53	1	9
Florida.....	166	134	16	16	Oregon.....	77	64	6	7
Georgia.....	142	116	14	12	Pennsylvania.....	190	138	40	21
Idaho.....	37	32	-	5	Rhode Island.....	19	12	5	2
Illinois.....	139	92	30	17	South Carolina.....	85	67	10	8
Indiana.....	86	59	12	15	South Dakota.....	22	18	-	4
Iowa.....	77	58	7	12	Tennessee.....	124	103	8	13
Kansas.....	53	45	1	7	Texas.....	293	233	19	41
Kentucky.....	95	76	13	6	Utah.....	32	26	3	3
Louisiana.....	100	78	10	12	Vermont.....	14	13	-	1
Maine.....	31	23	2	6	Virginia.....	110	85	18	12
Maryland.....	44	33	7	4	Washington.....	90	74	5	11
Massachusetts.....	82	57	18	7	West Virginia.....	66	48	10	8
Michigan.....	115	89	15	11	Wisconsin.....	96	72	10	14
Minnesota.....	70	58	5	7	Wyoming.....	26	22	-	4
Mississippi.....	77	69	2	6	Alaska.....	18	13	-	5
Missouri.....	98	73	8	15	Hawaii.....	23	15	1	1
Montana.....	38	32	-	6	Guam.....	2	-	-	3
					Puerto Rico.....	29	26	-	3
					Virgin Islands.....	2	2	-	-

Source: Federal Communications Commission.

BROADCAST INDUSTRY FINANCES

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No. 665. COMPARATIVE FINANCIAL DATA FOR RADIO BROADCAST INDUSTRY: 1950 TO 1957

[Money figures in millions of dollars. For years ending December 31. Excludes FM (independents). Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands. See also headnote, table 667.]

ITEM	1950	1952	1953	1954	1955	1956	1957
Number of networks	7	7	7	7	7	7	7
Number of stations	2,143	2,324	2,434	2,555	2,704	2,915	3,097
Broadcast revenues	443.1	468.6	474.6	448.8	452.3	470.2	515.9
7 networks (incl. owned and operated stations)	110.5	106.6	97.3	88.0	78.3	70.2	73.5
Other stations	332.6	368.0	377.3	360.2	374.0	409.0	442.4
Broadcast expenses of networks and stations	372.3	407.5	418.8	400.3	406.0	429.6	460.0
7 networks (incl. owned and operated stations)	91.5	89.4	86.9	80.4	72.4	69.8	73.6
Other stations	280.8	318.1	331.9	325.9	333.6	359.8	387.3
Broadcast income before Federal income tax	70.7	61.1	55.8	42.5	46.4	49.6	55.1
7 networks (incl. owned and operated stations)	19.0	11.2	10.4	8.1	5.9	4.4	—
Other stations	51.8	49.9	45.4	34.3	40.4	49.2	55.1
BROADCAST REVENUES							
Revenues from time sales, net	401.1	420.5	426.0	404.1	410.9	440.3	476.4
Commissions to regularly established agencies, representatives, brokers and others	52.5	52.6	51.2	47.2	45.6	51.4	61.3
Revenues from time sales, total	453.6	473.2	477.2	451.3	456.5	491.7	537.7
Revenues from network time sales, net	131.5	109.9	98.1	83.7	64.1	48.4	51.7
Payments to foreign stations and elimination of miscellaneous duplications	1.4	1.5	—	—	—	—	—
Network time sales to—							
Nationwide networks	126.0	102.1	92.9	78.9	60.3	44.8	48.0
Regional networks	4.0	4.4	4.2	3.8	3.2	2.8	2.9
Miscellaneous networks and stations	2.9	2.9	1.0	.9	.6	.8	.8
Revenues from non-network time sales to:							
National and regional advertisers and sponsors	118.8	123.7	129.6	120.2	120.4	145.5	169.5
Local advertisers and sponsors	203.2	239.6	249.5	247.5	272.0	287.8	316.5
Revenues from incidental broadcast activities	42.0	48.1	48.6	44.7	41.4	38.8	39.5
Talent	25.2	33.4	33.6	30.5	26.9	24.0	24.8
Sundry broadcast revenues	10.8	14.7	15.0	14.1	14.5	14.8	14.7

Source: Federal Communications Commission; annual release, *Final AM and FM Financial Data*.

No. 666. COMPARATIVE FINANCIAL DATA FOR TELEVISION BROADCAST INDUSTRY: 1950 TO 1957

[Money figures in millions of dollars. For years ending December 31. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands. See also headnote, table 667]

ITEM	1950	1952	1953	1954	1955	1956	1957
Number of networks	4	4	4	4	4	3	3
Number of stations	107	122	384	410	437	474	501
Broadcast revenues	105.9	324.2	432.7	592.9	744.7	806.9	948.3
4 networks (incl. owned and operated stations) ¹	55.6	180.2	231.7	306.7	374.0	442.3	467.9
Other stations	50.4	144.0	201.0	286.2	370.7	454.6	475.3
Broadcast expenses of networks and stations	115.1	268.7	300.5	502.6	594.5	707.3	788.2
4 networks (incl. owned and operated stations) ¹	65.5	170.3	213.7	270.2	300.0	356.9	397.2
Other stations	49.6	98.4	146.8	232.4	283.5	360.4	386.0
Broadcast income before Federal income tax	2 ² 9.2	55.5	71.3	90.3	150.2	189.6	160.0
4 networks (incl. owned and operated stations) ¹	2 ² 10.0	9.9	18.0	30.5	68.0	85.4	70.7
Other stations	.8	45.6	53.3	53.8	82.1	104.2	89.3
BROADCAST REVENUES							
Revenues from time sales, net	76.3	236.6	322.2	452.2	572.4	689.1	726.3
Commissions to regularly established agencies, representatives, brokers and others	14.5	40.5	62.5	85.9	108.7	154.0	142.4
Revenues from time sales, total	90.6	283.1	384.7	538.1	681.1	823.1	868.7
Revenues from network time sales, net	35.2	137.7	171.9	241.2	308.9	387.7	394.2
Revenues from non-network time sales to—							
National and regional advertisers and sponsors	25.0	80.2	124.3	176.8	222.4	281.2	296.4
Local advertisers and sponsors	30.4	65.2	88.5	120.1	149.8	174.2	178.1
Revenues from incidental broadcast activities	29.6	87.7	109.6	140.7	172.3	207.8	216.9
Talent	15.2	56.2	70.6	85.0	112.5	146.4	156.0
Sundry broadcast revenues	14.4	31.5	39.0	55.7	69.8	61.4	60.9

¹ Three networks after Sept. 15, 1955, when Du Mont ceased network operations.

² Loss.

Source: Federal Communications Commission; annual release, *Final TV Broadcast Financial Data*.

COMMUNICATIONS

NO. 667. TOTAL BROADCAST REVENUES OF ALL NETWORKS AND STATIONS, AM AND AM-FM, FM, AND TV: 1940 TO 1957

[For years ending December 31. Includes Alaska, Hawaii, Puerto Rico, and Virgin Islands. Total broadcast revenues are defined as total time sales of all networks and stations, less commissions to agencies and plus incidental revenues, such as sale of talent, program material, etc. For each year, excludes data for a certain number of reports received too late to be included; 1957 data excludes 59 such AM-FM stations]

YEAR	TOTAL		AM AND AM-FM		FM (INDEPENDENTS)		TV	
	Number of stations	Revenues (\$1,000)	Number of stations	Revenues ¹ (\$1,000)	Number of stations	Revenues (\$1,000)	Number of stations	Revenues ² (\$1,000)
1940	765	147,147	765	147,147				
1941	825	168,785	817	168,779	2		6	6
1942	862	178,894	851	178,839	5	13	6	42
1943	852	215,428	841	215,318	5	26	6	84
1944	885	275,550	875	275,299	4	32	6	219
1945	912	299,715	901	299,338	5	39	6	338
1946	1,043	323,228	1,026	322,563	8	17	10	638
1947	1,531	366,032	1,464	363,714	52	422	15	1,866
1948	1,974	416,867	1,824	406,995	103	1,261	47	8,021
1949	2,223	449,544	2,021	413,785	104	1,429	98	34,330
1950	2,336	550,395	2,143	443,058	86	1,422	107	105,015
1951	2,374	686,176	2,200	419,226	66	1,286	108	235,684
1952	2,502	783,015	2,324	408,592	56	1,100	122	324,223
1953	2,818	908,026	2,434	474,585	45	800	334	432,640
1954	3,008	1,042,486	2,555	448,785	43	764	410	592,937
1955	8,179	1,198,066	2,704	452,338	38	1,013	437	744,714
1956	3,440	1,377,460	2,915	479,160	51	1,415	474	896,885
1957	3,665	1,401,213	3,097	515,912	67	2,035	501	943,200

¹ Includes 4 nationwide networks and 3 regional networks.

² Includes 4 TV networks beginning in 1948 when commercial TV network operation started; covers 3 networks after Sept. 15, 1955, when Du Mont ceased network operations.

Source: Federal Communications Commission.

NO. 668. PERCENT OF HOUSEHOLDS WITH TELEVISION SETS, BY AREA AND REGION: 1955, 1956, AND 1958

[For composition of regions, see figure I, p. XII; for explanation of urban and rural, see p. 2; and for definition of standard metropolitan areas, see headnote, table 10. An urbanized area contains at least one city with 50,000 inhabitants or more in 1940 or subsequently, plus the surrounding closely settled incorporated places and unincorporated areas that comprise its urban fringe]

AREA OR REGION	June 1955	Aug. 1956	Jan. 1958	AREA OR REGION	June 1955	Aug. 1956	Jan. 1958
Households having 1 set or more	67	76	83	By urban and rural:			
Inside standard metropolitan areas	78	84	89	Urban	74	80	87
Outside standard metropolitan areas	50	63	75	In urbanized areas	79	84	80
By region and division:				Area of 3,000,000 or more	81		30
Northeast	80	85	90	Areas of 1,000,000 to 3,000,000	82	85	91
New England	(1)	(1)	90	Areas of 250,000 to 1,000,000	79	83	88
Middle Atlantic	(1)	(1)	90	Areas under 250,000	74	81	88
North Central	72	79	87	Not in urbanized areas	56	71	81
East North Central	(1)	(1)	89	Places of 10,000 or more	62	74	82
West North Central	(1)	(1)	82	Places under 10,000	52	66	70
South	53	65	74	Rural nonfarm	61	73	80
South Atlantic	(1)	(1)	77	Rural farm	42	57	68
East South Central	(1)	(1)	68	By number of sets:			
West South Central	(1)	(1)	75	No set	33	24	17
West	62	75	82	One set	65	72	76
Mountain	(1)	(1)	73	Two sets or more	2	4	7
Pacific	(1)	(1)	85				

¹ Not available.

Source: Department of Commerce, Bureau of the Census; *Housing and Construction Reports*, Series H-121.

No. 669. NEWSPAPERS AND PERIODICALS—NUMBER AND CIRCULATION, BY FREQUENCY OF ISSUE, AND RECEIPTS: 1929 TO 1954

[Circulation in thousands and money figures in millions]

FREQUENCY OF ISSUE AND RECEIPTS	NEWSPAPERS				PERIODICALS			
	1929	1939	1947	1954	1929	1939	1947	1954
Total number	10,176	9,173	10,282	9,022	5,157	4,985	4,610	3,427
Aggregate circulation ¹	91,778	96,476	119,567	136,353	202,022	239,693	384,528	449,285
Daily (except Sunday):								
Morning: Number	450	473	400	385				
Circulation	15,742	17,152	21,796	22,475				
Evening: Number	1,627	1,567	1,454	1,435	207	220	112	84
Circulation	20,274	25,814	31,490	33,935	2,032	2,1,970	2,842	2,748
Sunday: Number	578	542	416	510				
Circulation	20,012	33,007	42,736	46,350				
Triweekly: Number	56	36	21	29	8	12	5	(3)
Circulation	287	219	151	198	25	27	5	(4)
Semiweekly: Number	381	343	230	288	27	50	21	32
Circulation	1,580	1,000	926	1,327	1,402	2,005	182	3263
Weekly: Number	7,075	6,212	7,705	6,249	1,158	1,109	892	487
Circulation	18,884	18,295	21,408	30,336	81,495	55,825	60,303	82,066
Semimonthly: Number					224	193	233	148
Circulation					9,168	8,135	13,832	19,842
Monthly: Number					2,789	2,623	2,253	1,604
Quarterly: Number					133,048	134,706	104,824	204,026
Circulation					562	608	647	422
Other: Number			56	126	20,605	26,238	45,555	43,839
Circulation			1,060	1,732	172	380	447	650
Receipts, total	\$1,073	\$846	\$1,792	\$2,926	\$507	\$409	\$1,046	\$1,413
Subscription and sales	270	306	600	841	185	185	420	531
Advertising	797	539	1,192	2,059	323	224	626	863

¹ Totals of average circulation per issue for individual publications from publishers reporting receipts on a combined frequency of issue basis as well as from publishers reporting receipts separately for each frequency of issue.

² Daily only, neither morning nor evening.

³ Semimonthly and triweekly figures combined to avoid disclosure of individual company figures.

⁴ Includes \$26 million receipts not distributed by publishers between subscription and sales and advertising.

⁵ Includes \$10 million receipts not distributed by publishers between subscription and sales and advertising.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Manufactures: 1954*, Series MC-27A.

No. 670. NEWSPRINT CONSUMPTION, NEWSPAPER PAGES PER ISSUE, AND CIRCULATION PER FAMILY: 1940 TO 1958

YEAR	NEWSPRINT CONSUMPTION (1,000 TONS)					PAGES OF NEWSPAPER PER ISSUE ²	NEWSPAPER CIRCULATION PER FAMILY			
	Total ¹	By newspapers					Daily	Sun- day		
		For advertising content		For editorial content						
		Total	Amount	Percent	Amount	Percent				
1940	3,730	3,507	1,403	40.0	2,104	60.0	27	86		
1945	3,451	3,287	1,607	51.5	1,570	48.5	22	70		
1950	5,863	5,521	3,219	58.3	2,302	41.7	36	112		
1952	5,015	5,569	3,286	59.0	2,283	41.0	36	117		
1953	6,109	5,713	3,304	59.4	2,319	40.6	37	121		
1954	6,103	6,732	3,376	58.0	2,356	41.1	36	122		
1955	6,484	6,173	3,809	61.7	2,304	38.3	40	132		
1956	6,807	6,320	3,025	62.1	2,365	37.9	41	135		
1957	6,768	6,300	3,843	61.0	2,457	39.0	40	138		
1958	6,501	6,045	3,627	60.0	2,418	40.0	39	135		

¹ Apparent consumption; equals production plus imports minus exports adjusted for year-end change in news-paper publishers' inventories and domestic mill stocks. ² Circulation of 100,000 or more.

Source: Department of Commerce, Business and Defense Services Administration.

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No. 671. DAILY AND SUNDAY NEWSPAPERS—NUMBER AND CIRCULATION, 1940 TO 1958, AND BY STATES, 1958

[Circulation figures in thousands. As of October 1. For English language newspapers only]

YEAR AND STATE	DAILY NEWSPAPERS						SUNDAY NEWS-PAPERS	
	Total		Morning		Evening		Number	Net paid circulation
	Number	Net paid circulation	Number	Net paid circulation	Number	Net paid circulation		
1940	1,878	41,132	380	16,114	1,498	25,018	525	32,371
1945	1,749	48,384	330	19,240	1,410	29,144	485	30,380
1950	1,772	53,829	322	21,266	1,450	32,563	549	46,582
1951	1,778	54,018	319	21,223	1,454	32,795	543	46,279
1952	1,780	53,951	327	21,160	1,459	32,791	545	46,210
1953	1,785	54,472	327	21,412	1,458	33,000	544	45,949
1954	1,765	55,072	317	21,705	1,448	33,307	544	46,176
1955	1,760	56,147	316	22,188	1,454	33,964	541	46,448
1956	1,761	57,102	314	22,492	1,454	34,010	546	47,162
1957	1,755	57,805	309	23,171	1,453	34,635	544	47,044
1958								
Cont. U. S. ¹	11,745	57,370	307	23,161	1,450	34,210	555	46,950
Alabama	18	636	3	195	15	441	14	545
Arizona	12	285	3	147	9	138	5	220
Arkansas	34	364	5	136	29	228	10	299
California	1,123	4,705	17	1,781	107	2,924	25	3,540
Colorado	28	699	4	201	22	398	9	613
Connecticut	25	763	6	207	19	556	6	468
Delaware	3	112	1	30	2	81		
District of Columbia	3	823	1	300	2	433	2	727
Florida	42	1,485	13	881	29	604	31	1,406
Georgia	30	875	6	375	24	499	11	805
Idaho	16	148	4	66	14	82	5	108
Illinois	85	3,801	9	1,779	76	2,022	18	3,022
Indiana	86	1,695	10	535	77	1,150	18	1,059
Iowa	44	918	4	298	40	619	0	828
Kansas	52	708	5	204	48	503	15	401
Kentucky	27	701	7	209	22	402	13	521
Louisiana	18	713	4	338	14	375	9	579
Maine	9	241	5	186	4	54	1	92
Maryland	12	756	4	227	8	520	3	658
Massachusetts	52	2,405	6	891	46	1,614	9	1,496
Michigan	55	2,358	2	508	53	1,850	12	2,036
Minnesota	31	1,037	5	368	26	669	5	911
Mississippi	19	238	3	66	16	202	9	168
Missouri	56	1,813	8	767	40	1,046	14	1,458
Montana	18	164	4	91	14	72	10	147
Nebraska	20	446	3	164	17	201	5	338
Nevada	8	78	2	29	6	50	3	62
New Hampshire	19	120	1	24	9	96	1	38
New Jersey	26	1,396	6	408	20	989	8	771
New Mexico	19	181	1	48	18	139	14	147
New York	91	8,406	22	4,870	69	3,530	20	9,356
North Carolina	47	1,049	10	529	37	519	15	707
North Dakota	11	152	2	34	9	117	2	84
Ohio	97	3,331	8	769	80	2,562	21	2,097
Oklahoma	52	715	8	300	44	415	37	681
Oregon	21	606	4	261	17	345	7	557
Pennsylvania	1,123	4,146	27	1,376	60	2,700	14	3,248
Rhode Island	7	267	1	58	6	209	2	191
South Carolina	17	464	8	324	9	141	7	350
South Dakota	12	160	1	3	11	157	4	111
Tennessee	29	1,003	7	467	22	536	11	749
Texas	111	2,800	22	1,160	80	1,639	76	2,427
Utah	5	234	1	90	4	135	4	230
Vermont	10	93	2	51	8	43	1	11
Virginia	31	846	9	385	22	461	12	574
Washington	27	982	6	327	21	605	10	818
West Virginia	29	450	9	286	20	214	8	370
Wisconsin	38	1,113	3	249	35	864	5	852
Wyoming	9	67	5	33	4	34	4	37
Alaska	6	48	1	46	6	48	1	4
Hawaii	5	176	1	46	4	180	2	87

¹ Adjusted to account for all-day papers listed in morning and evening figures (circulations divided between them).

² Adjusted to allow for duplication of Texarkana, Ark.-Tex., and Bristol, Tenn.-Va., in individual State tabulations (circulations divided between States), and Covington, Ky., papers also included in Ohio.

BOOKS AND PAMPHLETS

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No. 672. BOOKS AND PAMPHLETS—QUANTITY AND VALUE OF SALES BY MANUFACTURING ESTABLISHMENTS, BY BOOK SUBJECT: 1947 AND 1954

[Detail may not add to total because of small differences in reporting of individual establishments that could not be reconciled. "N. e. c." means not elsewhere classified]

SUBJECT	1947		1954	
	Copies sold (1,000)	Receipts (\$1,000)	Total	
			Number sold (1,000 copies)	Receipts (\$1,000)
Books and pamphlets.	455,790	665,419		
Books	487,216	435,184	770,840	628,551
Textbooks:				
Elementary:				
Original editions	2,73,442	2,54,405	54,598	59,869
Reprint editions	2,812	2,063	8,928	7,780
High school:				
Original editions	{ (2)	{ (2)	{ 14,707	{ 29,549
Reprint editions			{ 3,541	{ 4,555
College:				
Original editions	23,112	51,337	14,072	47,746
Reprint editions	709	1,176	1,764	4,044
School workbooks (excl. educational tests)	41,010	13,227	59,873	26,902
Religious books:				
Bibles and testaments	9,248	9,285	11,359	19,125
Hymnals	{ 33,295	{ 19,608	{ (4)	{ 3,048
General religious books (incl. prayer books)			{ 18,959	{ (4)
Technical, scientific, and professional books:				
Original editions	13,703	40,035	14,187	51,644
Reprint editions	3,764	5,802	5,030	11,991
Trade books (incl. novels, biographies, dictionaries, and music, art, and travel books, etc.):				
Adult:				
Original editions	32,345	46,131	68,829	93,520
Reprint editions	108,069	23,832	205,448	75,805
Juvenile (excl. toy books)	53,752	20,289	220,114	60,835
Encyclopedias (subscription books):				
Original editions	12,604	58,351	17,281	78,194
Reprint editions	2,022	5,600	8,579	6,361
Other books (excl. toy books):				
Original editions	31,105	20,910	11,637	18,405
Reprint editions	48,224	55,583	{ 2,094	{ 1,623
Books, n. e. c.			{ 20,340	{ 18,326
Pamphlets (incl. educational tests)	402,290	20,656	267,088	25,094
Original editions			{ 166,837	{ 13,557
Reprint editions			{ 45,104	{ 5,089
Pamphlets, n. e. c.			{ 65,147	{ 6,448
Other books and pamphlets not specified by kind		(1)	11,774	

¹ Excludes a small number of copies sold by establishments that were unable to report a breakdown of either their receipts or number of copies sold as between books and pamphlets.

² High school books included with elementary books.

³ Withheld to avoid disclosing figures for individual companies.

⁴ Not available.

⁵ "Other books (excl. toy books)" includes book club sales and mail order sales as well as sales of books n. e. c. In 1954, book club sales and mail order sales are shown by book subject. This change in classification affects particularly 1947-1954 comparison in the adult trade book category.

⁶ Includes an indeterminable portion, believed to be small, of receipts from other subscription books.

⁷ Since these books are frequently sold direct to consumers, some publishers reported receipts on a retail basis; hence, aggregate receipts for this type of book are a combination of wholesale and retail values but do represent total receipts at publishing plant level. Also, since books in this category are typically sold on an installment plan basis, the values reported here (actual receipts during the year) may not agree with publishers' sales for same reporting period.

Source: Department of Commerce, Bureau of the Census; U. S. Census of Manufactures: 1954, Series MC-27A.

No. 673. Books—New Books and New Editions Published, by Subject: 1950, 1955, and 1958

[Based on reports from approximately 800 publishers. To assure as complete a coverage as possible, reports are checked against book reviews and notices and against card index of the Library of Congress. New books are new titles; new editions are revisions of trade or textbooks, and cheaper editions of original trade books. Excludes pamphlets, theses, reports, and reprints (containing no change whatsoever from original publication)]

SUBJECT	1950			1955			1958		
	Total	New books	New editions	Total	New books	New editions	Total	New books	New editions
Total	11,022	8,634	2,388	12,589	10,226	2,363	13,462	11,012	2,450
Agriculture, gardening	152	111	41	168	125	43	180	122	38
Biography	603	538	65	833	735	98	607	608	89
Business	250	100	60	312	228	84	373	283	90
Education	256	209	47	274	231	43	331	276	55
Fiction	1,907	1,211	698	2,073	1,459	614	2,235	1,692	643
Fine arts	357	317	40	347	305	42	409	409	60
Games, sports	188	153	35	200	175	25	236	201	35
General literature and criticism	591	510	81	660	529	131	626	496	131
Geography, travel	288	221	67	386	290	76	339	271	68
History	516	456	60	665	572	98	901	750	151
Home economics	198	150	43	255	205	50	161	142	19
Juvenile	1,059	907	152	1,485	1,372	113	1,522	1,424	98
Law	298	228	70	305	240	65	318	245	73
Medicine, hygiene	443	312	131	534	407	127	532	393	130
Music	113	88	25	103	85	18	97	89	8
Philology	148	102	46	168	118	50	149	106	43
Philosophy, ethics	340	278	62	314	244	70	447	361	86
Poetry, drama	531	433	78	493	423	70	451	373	78
Religion	727	626	101	849	747	102	1,050	941	109
Science	705	499	206	801	623	178	1,000	781	219
Sociology, economics	515	447	68	520	443	77	568	404	74
Technical and military	497	366	131	477	355	122	548	443	105
Miscellaneous	345	262	83	387	315	72	262	213	49

Source: R. R. Bowker Co., New York, N. Y. Monthly data published in *Publishers' Weekly*.

No. 674. REGISTRATION OF COPYRIGHTS, BY SUBJECT MATTER: 1940 TO 1958

[For years ending June 30. For information on patents, see table 703. See also *Historical Statistics, 1789-1945*, series P 170-175, for data on total registrations and on the registration of books, musical compositions, and commercial prints and labels]

SUBJECT MATTER OF COPYRIGHT	1940	1945	1950	1955	1957	1958
Total	176,997	178,348	210,504	224,732	225,807	238,935
Books						
Printed in the United States	64,051	40,644	54,894	58,160	56,717	60,597
Books proper	60,589	39,754	50,144	52,888	52,025	56,630
Pamphlets, leaflets, etc.	11,976	6,962	11,323	49,142	48,811	53,275
Contributions to newspapers and periodicals	34,687	27,936	34,333			
Printed abroad in a foreign language	13,926	4,856	4,488	3,746	3,214	3,855
English books registered for ad interim copyright	2,604	111	8,710	8,694	2,915	2,037
Periodicals (numbers)	40,173	45,763	55,436	69,448	59,724	60,691
Lectures, sermons, addresses	1,276	1,177	1,007	813	1,008	852
Dramatic or dramatico-musical compositions	6,450	4,714	4,427	3,493	2,764	2,754
Musical compositions	37,075	57,835	52,309	57,527	59,614	66,515
Maps	1,622	857	1,038	2,013	2,084	1,634
Works of art, models, or designs	3,081	1,821	4,013	3,466	4,557	5,019
Reproductions of works of art	445	186	326	900	914	1,044
Drawings or plastic works of a scientific or technical character	2,817	1,554	1,816	1,350	699	683
Photographs	2,590	1,258	1,143	1,105	964	1,037
Prints and pictorial illustrations	4,600	2,634	4,309	3,793	3,408	3,413
Commercial prints and labels						
Motion picture photoplays	800	615	782	1,216	1,987	2,451
Motion pictures not photoplays		811	1,120	1,113	1,434	1,231
Renewals of all classes	10,207	11,367	14,531	10,619	21,478	22,593

Source: The Library of Congress; *Annual Report*.

Section 19

Power and Scientific Development

This section presents statistics relating to the supply, production, and distribution of power and energy; expenditures for scientific research and development; patents and trademarks; atomic energy; and artificial satellites. The principal sources of these data are the Federal Power Commission, the Bureau of Mines of the Department of the Interior, the National Science Foundation, and the Atomic Energy Commission.

The Federal Power Commission publishes various statistical reports, including *Production of Electric Energy and Capacity of Generating Plants*, which present data on the production of electric energy classified by type of prime mover and on the capacity of all generating plants classified by type of prime mover. These reports also include statistics on quantities of basic fuels used (coal, oil, natural gas, etc.) and on water as an actual and potential source of power. The Commission's data cover both generation for public use by electric utilities and for use by the producer where generated by nonutility establishments. Data on sales, revenues, and numbers of customers by classes of service, on rates and typical bills, and related matters are also issued at regular intervals by the Commission. Monthly statistics on production, fuels used in production, sales by classes of service, salaries and wages, taxes, and other costs of production appear in the Commission's series entitled *Electric Power Statistics*.

The Federal Power Commission has uniform systems of accounts for public utilities subject to its jurisdiction and for its licensees. The Commission compiles data from the following periodic reports: Annual reports of electric utilities containing information as to assets, liabilities, revenues, generating capacity, and number of consumers; power system reports of electric utility systems presenting generating capacity, transmission facilities, and loads and load characteristics; monthly and annual reports containing such information as production of electricity for public use, fuel consumed, and stocks of fuel on hand; and reports from electric utilities and industrial corporations with respect to their electric power requirements and supply.

The Bureau of Mines' annual *Minerals Yearbook* presents statistics on coal, oil, and natural gas production and utilization. Other important sources of data include the semiannual reports of the Atomic Energy Commission; the American Gas Association, which in its monthly bulletins and annual statistical issues (such as *Gas Facts*) presents data on natural gas utilization and the production of manufactured gas from coal, oil, and similar products; and the *Statistical Bulletin* of the Edison Electric Institute, issued monthly and annually, which presents data on the distribution of electric energy by public utilities.

The National Science Foundation publishes data on obligations and expenditures of the Federal Government for scientific research and development in its annual report, *Federal Funds for Science*; and information on research and development costs and personnel in private industry in its periodic report, *Science and Engineering in American Industry*.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, 1789-1945*, series G 159-170") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*, and its *Continuation to 1952*. See preface.

Note.—This section presents data for the most recent year or period available on April 22, 1959, when the material was organized and sent to the printer. In some instances, more recent data were added later.

No. 675. ENERGY FROM MINERAL FUELS AND WATER POWER—ANNUAL SUPPLY, 1900 TO 1958, AND CONSUMPTION, 1920 TO 1955, BY SOURCE

[In billions of British thermal units. Unit heat values employed are: Anthracite, 12,700 B. t. u. per pound; bituminous coal and lignite, 13,100 B. t. u. per pound; petroleum, 5,800,000 B. t. u. per barrel; natural gas, total production multiplied by 1,075 B. t. u. minus repressuring vent and waste gas multiplied by 1,035. Water power includes installations owned by manufacturing plants and mines, as well as Government and privately owned public utilities. Fuel equivalent of water power calculated from kilowatt-hours of power produced wherever available, as is true of all public utility plants since 1919. Otherwise, fuel equivalent calculated from reported horsepower of installed water wheels, assuming capacity factor of 20 percent for factories and mines and of 40 percent for public utilities. See also *Historical Statistics, 1789-1945*, series G 159-170.]

YEAR	Total	Water power	COAL			Natural gas ²	Water power	PERCENT				
			Anthracite	Bituminous and lignite	Crude petroleum ¹			Coal		Crude petroleum ¹		
								Anthracite	Bituminous and lignite			
ANNUAL SUPPLY												
1900	7,893	250	1,457	5,563	369	254	3.2	18.4	70.5	4.7	3.2	
1905	11,772	388	1,973	8,255	781	377	3.3	16.8	70.1	6.6	3.2	
1910	15,375	539	2,146	10,928	1,215	547	3.5	14.0	71.1	7.9	3.5	
1915	16,822	659	2,260	11,597	1,630	676	3.9	13.4	69.0	9.7	4.0	
1920	21,365	738	2,276	14,899	2,568	883	3.6	10.7	69.7	12.0	4.1	
1925	21,607	668	1,570	13,625	4,430	1,314	3.1	7.2	63.1	20.5	6.1	
1930	22,119	752	1,762	12,249	5,208	2,148	3.4	8.0	55.4	23.5	9.7	
1935	19,803	805	1,325	9,756	5,780	2,136	4.1	0.7	49.2	29.2	10.8	
1940	25,088	880	1,308	12,072	7,849	2,970	3.5	5.2	48.1	31.3	11.9	
1945	32,333	1,442	1,395	15,134	9,039	4,423	4.5	4.8	46.8	30.7	13.7	
1950	34,510	1,573	1,120	13,527	11,449	6,841	4.6	3.2	39.2	33.2	10.8	
1955	38,900	1,447	665	12,174	14,410	10,204	3.7	1.7	31.3	37.1	26.2	
1956	41,510	1,542	734	13,123	15,181	10,980	3.7	1.8	31.6	36.6	26.3	
1957	41,826	1,524	644	12,909	16,178	11,571	3.6	1.5	30.9	36.8	27.7	
1958 (prel.)	38,823	1,523	555	10,611	14,203	11,931	3.9	1.4	27.4	36.6	30.7	
CONSUMPTION												
1920	10,782	775	2,179	13,825	2,634	869	3.9	11.0	67.4	13.3	4.4	
1925	20,899	701	1,627	13,079	4,156	1,336	3.3	7.8	62.6	19.9	6.4	
1930	22,288	785	1,718	11,921	5,652	2,212	3.5	7.7	53.5	25.4	9.9	
1935	19,107	831	1,298	9,336	5,498	2,143	4.3	6.8	48.9	28.8	11.2	
1940	23,908	917	1,245	11,290	7,487	2,969	3.8	5.2	47.2	31.4	12.4	
1945	31,541	1,486	1,311	14,661	9,610	4,404	4.7	4.2	46.5	30.5	14.1	
1950	34,153	1,601	1,013	11,900	12,706	6,983	4.7	3.0	34.8	37.2	20.3	
1955	39,955	1,497	599	11,104	16,328	10,428	3.8	1.5	27.8	40.8	26.1	
1956	42,007	1,598	610	11,388	17,418	11,043	3.8	1.4	27.0	41.5	26.3	
1957	41,920	1,568	528	10,838	17,328	11,658	3.7	1.3	25.8	41.4	27.8	
1958 (prel.)	41,165	1,566	500	9,560	17,418	12,121	3.8	1.2	23.2	42.3	26.5	

¹ Includes commingled condensate. Consumption, beginning 1950, includes petroleum products (net imports).

² Marketed production; beginning 1920, includes amount stored and lost in transmission. Consumption includes dry and liquids.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*. Current data also published in *Mineral Industry Surveys* and annual bulletin, *Bituminous Coal and Lignite*.

No. 676. TOTAL HORSEPOWER OF ALL PRIME MOVERS: 1930 TO 1955

[In thousands]

ITEM	1930	1940	1950	1952	1955
Total horsepower	1,663,944	2,769,018	4,747,871	5,726,886	7,143,723
Automotive	1,426,568	2,511,312	4,403,617	5,361,386	6,632,121
Nonautomotive	237,376	247,700	344,254	365,600	511,602
Work animals	17,660	12,510	7,040	6,980	4,141
Inanimate	219,716	255,198	337,214	359,520	507,461
Factories ¹	19,519	21,768	32,921	35,045	35,579
Mines	5,620	7,332	9,167	9,523	30,708
Railroads	109,743	92,361	110,069	101,690	60,304
Merchant ships, powered	9,115	10,094	11,032	13,207	10,801
Sailing vessels	100	26	11	9	5
Farms ²	28,610	42,488	63,090	73,590	206,590
Windmills	200	130	59	62	59
Electric central stations	43,427	53,542	87,085	103,453	137,576
Aircraft ³	3,382	7,455	22,000	22,941	25,779

¹ Includes passenger cars, trucks, buses, and motorcycles. ² Electric motors not included.

³ Excludes horses and other work animals, which are included with "work animals."

⁴ Includes private planes and commercial airliners.

Source: 1930-1952, The Twentieth Century Fund, J. F. Dewhurst and Associates, *America's Needs and Resources, a New Survey*; 1955, John A. Waring, Jr., *Transactions of Canadian Sectional Meeting, World Power Conference, 1955*.

ELECTRIC ENERGY

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No. 677. PROJECTIONS OF ELECTRIC ENERGY REQUIREMENTS: 1956 TO 1980

[Estimates assume prosperous peacetime conditions; exclude generation by industrial facilities and railways having generating facilities of their own. Data exclude Alaska and Hawaii]

YEAR	ENERGY USE			PEAK LOAD		
	Billion kwh	Percent increase		Million kw	Percent increase	
		From 1956	For each interval		From 1956	For each interval
1956 ¹	606.6			108.4		
1960	802.0	32.2	32.2	147.2	35.8	35.8
1965	1,043.9	72.1	30.2	191.5	76.7	30.1
1970	1,298.0	114.0	24.3	238.3	119.8	24.4
1975	1,572.6	150.2	21.2	288.7	166.3	21.1
1980	1,866.4	207.7	18.7	342.8	216.2	18.7

¹ Actual figures compiled from reports of electric utilities.

Source: Federal Power Commission; *Electric Power Requirements and Supply of the United States, by Regions—Present and Future to 1980*, April 1958.

No. 678. ELECTRIC ENERGY PRODUCTION AND INSTALLED CAPACITY, BY CLASS OF OWNERSHIP AND TYPE OF PRIME MOVER: 1930 TO 1958

[For years ending December 31, except installed capacity as of December 31. See also *Historical Statistics, 1789-1945*, series G 171-190 and G 200-224]

ITEM	1930	1935	1940	1945	1950	1955	1957	1958 (prel.)
Production (1,000,000 kw.-hrs.)	114,637	118,935	179,907	271,255	388,674	629,010	716,356	724,013
Electric utilities (for public use)	91,112	95,287	141,837	222,486	329,141	547,038	631,507	644,700
By class of ownership:								
Privately owned	86,108	89,330	125,411	180,926	266,860	420,869	480,943	490,305
Percent of total	94.5	93.7	88.4	81.3	81.1	76.9	76.2	76.0
Publicly owned	5,008	5,958	16,426	41,560	62,281	126,169	150,564	154,455
Municipal	3,604	4,229	6,188	9,624	15,244	25,852	27,850	(1)
Federal	465	555	8,584	28,001	40,388	89,064	109,176	(1)
Cooperatives, power districts,								
State projects	518	732	1,175	3,146	5,703	11,253	13,538	(1)
Noncentral stations	416	442	479	790	887	(2)	(2)	(1)
By source of energy (percent):								
Coal	55.8	48.0	54.0	51.7	47.1	55.1	54.9	53.4
Oil	3.1	4.2	4.4	3.5	10.3	6.8	6.4	6.3
Gas	0.9	7.6	7.7	8.9	13.5	17.4	18.1	18.6
Hydro	34.2	40.3	38.4	35.9	29.2	20.7	20.6	21.7
Industrial plants ³	23,625	23,048	38,070	48,769	59,533	81,972	84,849	79,258
Installed capacity (1,000 kw.)	41,153	42,828	50,962	62,868	82,850	130,896	146,221	160,219
Electric utilities (for public use)	32,384	34,436	39,927	50,111	68,919	114,472	129,123	142,413
By class of ownership:								
Privately owned	30,285	31,820	34,399	40,307	55,176	86,887	97,376	107,936
Percent of total	93.5	92.4	86.2	80.4	80.1	75.9	75.4	75.8
Publicly owned	2,099	2,615	6,528	9,804	13,743	27,585	31,747	34,477
Municipal	1,601	2,002	2,977	3,586	4,970	7,795	8,640	(1)
Federal	226	300	1,044	5,081	6,021	16,962	19,649	(1)
Cooperatives, power districts,							3,458	(1)
State projects	154	175	435	891	1,588	2,828		
Noncentral stations	118	139	173	245	314	(2)	(2)	(1)
Industrial plants ⁴	8,769	8,392	11,035	12,757	13,931	16,424	17,098	17,806
TYPE OF PRIME MOVER								
Electric utilities (for public use):								
Number of plants, total ⁴	4,043	4,028	3,918	3,886	3,867	3,587	3,517	(1)
Hydro	1,446	1,476	1,474	1,505	1,455	1,381	1,360	(1)
Steam	1,626	1,424	1,183	1,057	1,051	1,045	1,043	(1)
Internal combustion	971	1,123	1,291	1,324	1,358	1,161	1,114	(1)
Production (1,000,000 kilowatt-hours)	91,112	98,287	141,837	222,486	329,141	547,038	631,507	644,760
Hydro	31,190	38,872	47,321	79,970	95,938	112,975	130,232	140,047
Steam	59,293	56,144	63,002	140,435	229,543	480,119	497,212	504,713
Internal combustion	629	771	1,514	2,081	3,660	3,944	4,062	
Installed capacity (1,000 kilowatts)	32,384	34,436	39,927	50,111	68,919	114,472	129,123	142,413
Hydro	9,585	9,399	11,224	14,912	17,875	25,004	27,038	29,263
Steam	23,386	24,471	27,775	34,113	49,338	87,112	99,542	110,435
Internal combustion	414	566	928	1,087	1,911	2,355	2,545	2,616
Production per kilowatt of installed capacity (kilowatt-hours) ⁵	2,813	2,767	3,552	4,440	4,776	4,779	4,891	4,527

¹ Not available.

² Distributed to other publicly owned classes.

³ Comprises production and capacity of industrial electric power plants of 100 kilowatts and over, including amounts for stationary electric power plants of railroads and railways.

⁴ Each prime mover type in combination plants counted separately.

⁵ Capacity in service at end of year.

Source: Federal Power Commission; annual report, *Production of Electric Energy and Capacity of Generating Plants*, industrial electric power summaries, related monthly reports, and records.

NO. 679. GENERATING PLANTS—INSTALLED CAPACITY OF ELECTRIC UTILITIES AND INDUSTRIAL PLANTS, BY TYPE OF PRIME MOVER AND CLASS OF OWNERSHIP, BY STATES: 1957

[In thousands of kilowatts. As of December 31]

STATE	Total	TYPE OF PRIME MOVER				CLASS OF OWNERSHIP OF ELECTRIC UTILITIES			Industrial plants	
		Electric utilities and industrial		Electric utilities		Total	Pr. vately owned	Publicly owned		
		Fuel	Hydro	Fuel	Hydro			Municipal		
Cont. U. S.	146,221	118,460	27,761	102,087	27,036	129,123	97,376	8,640	23,107	17,093
New England	7,201	5,678	1,528	4,692	1,259	5,951	5,727	186	38	1,250
Maine	1,038	537	498	347	352	699	678	4	17	395
New Hampshire	755	308	447	265	399	664	660	4	—	91
Vermont	286	86	200	75	188	268	247	—	16	23
Massachusetts	2,051	2,716	235	2,218	188	2,404	2,279	115	9	548
Rhode Island	454	448	6	399	2	401	395	2	5	53
Connecticut	1,722	1,578	144	1,388	132	1,521	1,468	45	8	201
Middle Atlantic	22,150	20,549	1,600	17,718	1,520	19,238	18,984	227	27	2,912
New York	9,748	8,502	1,157	7,605	1,082	8,647	8,521	109	17	1,101
New Jersey	3,747	3,739	9	3,332	6	3,838	3,288	48	2	409
Pennsylvania	8,654	8,219	435	6,820	432	7,252	7,174	70	8	1,402
East North Central	33,206	32,271	935	28,289	850	29,088	27,049	1,713	326	4,118
Ohio	9,652	9,638	14	8,392	11	8,403	7,930	458	14	1,250
Indiana	5,718	5,683	36	5,003	35	5,039	4,705	334	—	670
Illinois	7,830	7,787	43	7,183	40	7,173	6,883	260	30	657
Michigan	6,727	6,304	423	5,104	394	5,558	4,957	514	87	1,160
Wisconsin	3,279	2,858	421	2,546	370	2,916	2,574	147	198	363
West North Central	9,678	8,336	1,342	7,665	1,298	8,963	5,653	1,609	1,702	715
Minnesota	2,243	2,052	101	1,723	156	1,879	1,481	326	72	393
Iowa	1,755	1,617	138	1,490	138	1,628	1,275	255	98	127
Missouri	1,952	1,760	193	1,641	193	1,833	1,465	282	87	119
North Dakota	512	272	240	266	240	506	184	13	308	7
South Dakota	555	222	333	219	324	543	180	40	323	12
Nebraska	1,012	770	241	760	241	1,001	—	222	779	11
Kansas	1,649	1,643	6	1,587	6	1,573	1,067	470	86	76
South Atlantic	20,010	16,277	3,732	13,882	3,548	17,430	15,221	790	1,419	2,579
Delaware	890	389	1	354	354	354	337	17	—	36
Maryland	1,740	1,468	272	1,231	271	1,502	1,459	35	8	238
Dist. of Columbia	555	552	3	530	3	533	580	—	3	22
Virginia	3,035	2,615	420	2,120	398	2,518	2,220	56	242	517
West Virginia	2,916	2,709	208	2,260	101	2,361	2,361	—	—	555
North Carolina	4,263	3,031	1,222	2,785	1,208	3,904	3,520	106	387	269
South Carolina	2,078	1,113	965	720	938	1,658	1,127	5	526	420
Georgia	2,175	1,575	599	1,340	586	1,926	1,705	16	206	248
Florida	2,868	2,825	43	2,542	43	2,555	1,962	555	67	288
East South Central	14,114	10,388	3,726	9,505	3,718	13,224	8,516	147	9,561	890
Kentucky	3,174	2,633	541	2,596	541	3,137	1,175	71	1,801	37
Tennessee	6,022	4,136	1,886	3,088	1,886	5,572	1,72	4	5,397	449
Alabama	4,131	2,832	1,299	2,519	1,201	3,810	1,536	1	2,273	321
Mississippi	788	788	—	705	—	705	633	71	—	83
West South Central	14,225	13,277	948	10,119	945	11,064	8,934	1,119	1,011	3,161
Arkansas	1,366	891	778	388	388	1,168	788	62	322	200
Louisiana	2,825	2,825	1	1,005	1	1,905	1,678	226	—	920
Oklahoma	1,665	1,408	165	1,431	165	1,596	1,246	109	242	67
Texas	8,371	7,970	391	6,005	391	6,398	5,226	722	448	1,974
Mountain	7,621	3,836	3,785	3,099	3,783	6,882	3,695	263	2,924	739
Montana	943	92	851	74	851	925	502	—	423	18
Idaho	908	44	884	4	863	867	676	18	178	40
Wyoming	308	162	143	92	143	235	85	2	148	70
Colorado	1,187	939	248	842	248	1,090	740	152	108	97
New Mexico	688	664	25	601	25	628	504	44	77	62
Arizona	2,058	1,076	980	843	980	1,823	508	2	1,314	233
Utah	780	694	87	525	87	612	560	48	4	169
Nevada	753	105	588	116	587	703	120	1	582	51
Pacific	18,017	7,833	10,165	7,168	10,116	17,284	8,599	2,586	6,099	763
Washington	5,214	526	4,689	248	4,661	4,904	614	1,002	3,288	310
Oregon	2,573	368	2,209	204	2,190	2,304	591	51	1,752	179
California	10,281	6,064	3,267	6,721	3,265	9,986	7,304	1,533	1,059	244

Source: Federal Power Commission; annual summaries and related monthly reports.

ELECTRIC ENERGY

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No. 680. ELECTRIC ENERGY—PRODUCTION BY ELECTRIC UTILITIES AND INDUSTRIAL PLANTS, BY TYPE OF PRIME MOVER AND CLASS OF OWNERSHIP, BY STATES: 1957

[In millions of kilowatt-hours. For year ending December 31]

STATE	Total	TYPE OF PRIME MOVER				CLASS OF OWNERSHIP OF ELECTRIC UTILITIES			Industrial plants	
		Electric utilities and industrial		Electric utilities		Total	Privately owned	Publicly owned		
		Fuel	Hydro	Fuel	Hydro			Municipal		
Cont. U. S.	716,356	582,998	133,358	501,275	130,282	631,507	480,943	27,850	122,714	84,849
New England	28,837	23,601	5,237	20,824	4,188	25,012	24,355	535	123	3,825
Maine	4,063	1,948	2,115	1,016	1,471	2,487	2,431	16	40	1,576
New Hampshire	2,621	1,352	1,269	1,201	1,067	2,208	2,250	9	—	853
Vermont	1,023	211	812	195	746	941	891	51	—	82
Massachusetts	11,486	10,709	777	9,711	660	10,371	10,002	334	35	1,115
Rhode Island	2,194	2,189	5	2,053	3	2,058	2,024	2	31	138
Connecticut	7,451	7,192	258	6,649	240	6,889	6,749	123	17	561
Middle Atlantic	104,975	98,039	6,936	87,154	6,618	93,772	93,032	626	114	11,203
New York	44,985	39,586	5,398	36,277	5,105	41,382	40,907	293	91	3,603
New Jersey	15,914	15,887	27	14,342	20	14,362	14,222	133	7	1,552
Pennsylvania	44,077	42,566	1,510	36,535	1,494	38,020	37,813	200	16	6,048
East North Central	166,997	163,346	3,651	144,001	3,239	147,240	140,967	4,971	1,302	19,757
Ohio	49,784	49,746	38	42,946	23	42,968	41,566	1,366	37	6,814
Indiana	81,993	31,885	108	28,636	108	28,744	27,893	851	—	3,249
Illinois	41,750	41,587	213	38,759	101	38,950	38,059	788	103	2,800
Michigan	30,195	28,534	1,661	28,280	1,553	24,833	22,789	1,680	408	5,363
Wisconsin	13,275	11,643	1,631	10,380	1,364	11,744	10,080	331	753	1,531
West North Central	37,462	32,050	5,412	29,469	5,178	34,646	25,024	3,627	5,996	2,815
Minnesota	8,896	7,809	1,066	6,794	860	7,654	6,718	766	169	1,221
Iowa	7,175	6,317	888	5,716	856	6,572	5,688	560	324	603
Missouri	7,844	7,385	459	6,888	459	7,348	6,802	591	249	602
North Dakota	1,785	763	1,022	747	1,022	1,769	670	24	1,175	18
South Dakota	1,561	482	1,079	474	1,053	1,528	457	27	1,043	33
Nebraska	3,397	2,489	908	2,471	908	3,378	437	2,941	18	—
Kansas	6,326	6,806	19	6,884	19	6,403	5,088	1,222	93	422
South Atlantic	96,357	83,017	13,340	70,561	12,475	83,036	75,988	2,807	4,240	13,321
Delaware	1,892	1,802	(1)	1,710	—	1,710	1,668	51	—	173
Maryland	8,094	6,036	1,158	5,495	1,157	6,652	6,539	94	18	1,443
Dist. of Columbia	1,446	1,440	6	1,394	6	1,400	1,394	—	6	46
Virginia	14,478	13,237	1,241	11,018	1,182	12,181	11,492	165	524	2,207
West Virginia	17,010	16,002	1,008	13,793	409	14,202	14,202	—	—	2,808
North Carolina	19,405	14,007	12,308	12,743	5,854	18,097	16,853	209	1,535	1,308
South Carolina	9,229	8,549	2,679	4,527	2,599	7,126	5,602	0	1,615	2,103
Georgia	10,768	9,103	1,660	7,633	1,508	9,231	8,888	87	292	1,532
Florida	14,039	13,850	190	12,230	190	12,428	9,955	2,222	252	1,611
East South Central	81,003	62,343	18,660	57,561	18,636	76,197	17,237	367	58,592	4,806
Kentucky	19,037	16,310	2,727	16,189	2,727	18,016	4,748	194	13,074	122
Tennessee	34,584	25,550	23,219	23,219	9,028	32,247	798	37	31,417	2,337
Alabama	23,961	17,055	6,905	15,319	6,881	22,200	8,998	—	13,202	1,761
Mississippi	3,421	—	—	2,835	—	2,835	2,699	136	—	887
West South Central	73,821	70,156	3,665	47,246	3,658	50,904	43,362	3,560	3,982	22,916
Arkansas	7,515	5,675	1,830	4,278	1,833	6,110	4,388	136	1,588	1,404
Louisiana	13,947	13,947	—	7,685	—	7,665	7,119	546	—	6,282
Oklahoma	6,564	6,063	501	5,760	501	6,261	5,255	284	771	304
Texas	45,705	44,470	1,324	29,544	1,324	30,869	26,002	2,643	1,623	14,926
Mountain	32,685	16,097	16,558	12,612	16,556	26,168	17,868	774	10,526	3,487
Montana	5,261	292	4,960	246	4,969	5,215	3,356	—	1,869	46
Idaho	4,820	153	4,673	(1)	4,673	4,673	3,639	73	910	154
Wyoming	1,206	520	676	343	676	1,019	335	1	683	187
Colorado	4,560	3,632	928	3,253	926	4,130	3,087	393	699	380
New Mexico	2,683	2,652	31	2,202	31	2,323	1,959	123	240	360
Arizona	7,556	4,501	3,055	3,538	8,055	6,588	2,200	7	4,321	969
Utah	4,077	3,703	373	2,475	373	2,849	2,054	174	21	1,228
Nevada	2,486	633	1,853	470	1,853	2,823	529	2	1,702	163
Pacific	94,250	34,350	59,900	31,848	59,685	91,531	43,108	10,584	37,839	2,719
Washington	29,163	950	28,213	42	28,051	28,093	2,735	3,152	22,207	1,070
Oregon	14,171	698	13,473	119	13,419	13,537	2,338	200	11,001	884
California	50,916	32,701	18,215	31,686	18,215	49,901	39,038	7,282	4,631	1,015

¹ Less than 500,000.

Source: Federal Power Commission; annual summaries and related monthly reports.

No. 681. ELECTRIC UTILITIES—INSTALLED GENERATING CAPACITY AND PRODUCTION, BY STATES: 1945 TO 1957

[Installed capacity as of December 31; production for years ending December 31]

STATE	INSTALLED CAPACITY (1,000 kw)				PRODUCTION (1,000,000 kwh)			
	1945	1950	1955	1957	1945	1950	1955	1957
Cont. U. S.	50,111	68,919	114,472	129,123	222,486	329,141	547,038	631,507
New England	3,198	4,052	5,271	5,951	11,805	16,211	22,610	25,012
Maine	832	415	623	690	1,349	1,680	2,405	2,487
New Hampshire	305	398	474	664	1,038	1,329	1,718	2,268
Vermont	175	204	261	263	832	735	981	941
Massachusetts	1,330	1,653	2,167	2,404	4,577	6,588	9,461	10,371
Rhode Island	283	359	401	401	919	1,656	1,955	2,050
Connecticut	773	1,022	1,345	1,521	3,091	4,223	6,091	6,880
Middle Atlantic	10,510	13,225	18,218	19,238	46,678	63,372	86,140	93,772
New York	5,361	6,257	8,469	8,647	22,008	29,452	39,538	41,382
New Jersey	1,571	2,053	2,914	3,338	7,325	9,921	12,306	14,362
Pennsylvania	3,578	4,916	6,835	7,252	17,350	24,000	34,301	38,020
East North Central	11,506	16,083	25,976	29,088	50,921	75,349	125,853	147,240
Ohio	3,250	4,430	7,459	8,403	14,706	21,967	38,955	42,969
Indiana	1,610	2,142	4,351	5,039	7,442	10,374	21,193	28,744
Illinois	3,058	4,506	6,955	7,178	14,020	20,686	35,997	38,950
Michigan	2,383	3,222	4,590	5,558	9,827	15,316	22,365	24,833
Wisconsin	1,205	1,783	2,622	2,918	4,926	7,006	10,343	11,744
West North Central	3,466	5,024	7,930	8,963	12,728	19,237	30,463	34,646
Minnesota	752	1,151	1,764	1,879	2,666	4,549	6,642	7,054
Iowa	761	1,173	1,564	1,628	2,876	4,428	6,212	6,572
Missouri	816	958	1,743	1,833	3,021	3,718	6,952	7,343
North Dakota	100	187	264	506	318	660	963	1,760
South Dakota	99	169	491	543	265	536	1,309	1,528
Nebraska	416	572	762	1,001	1,334	2,011	2,816	3,378
Kansas	521	814	1,353	1,573	2,254	3,335	5,478	6,403
South Atlantic	6,557	8,857	15,131	17,430	28,285	43,604	71,220	83,036
Delaware	39	28	224	354	43	20	1,366	1,719
Maryland	900	1,098	1,373	1,502	4,334	5,040	5,845	6,652
District of Columbia	458	508	533	533	1,681	1,669	1,627	1,400
Virginia	795	1,204	1,931	2,518	3,717	6,233	9,380	12,181
West Virginia	960	1,260	2,177	2,361	5,780	7,821	14,230	14,292
North Carolina	1,347	1,760	3,505	3,994	4,966	9,829	15,592	18,097
South Carolina	792	847	1,052	1,658	2,251	2,910	5,870	7,126
Georgia	716	1,156	1,675	1,928	2,901	5,285	7,705	9,231
Florida	550	899	2,062	2,585	2,613	4,847	6,593	12,428
East South Central	3,484	4,464	11,657	13,224	16,596	24,606	66,530	76,197
Kentucky	581	904	2,745	3,137	2,367	4,390	17,693	18,916
Tennessee	1,452	1,670	4,028	5,672	6,922	9,379	24,626	32,247
Alabama	1,327	1,600	3,054	3,810	7,099	9,577	21,948	22,200
Mississippi	74	200	631	705	208	1,260	2,864	2,835
West South Central	2,694	4,717	9,449	11,064	13,682	22,515	40,823	50,904
Arkansas	222	450	1,165	1,186	776	1,975	4,909	6,110
Louisiana	542	909	1,594	1,905	3,260	4,936	6,677	7,065
Oklahoma	457	728	1,260	1,696	2,255	2,927	5,337	6,261
Texas	1,473	2,636	5,430	6,396	7,401	12,676	23,900	30,869
Mountain	2,647	3,445	6,106	6,882	11,974	16,497	24,155	29,168
Montana	373	442	925	925	2,818	3,136	4,696	5,215
Idaho	267	445	781	807	1,263	2,638	3,907	4,673
Wyoming	82	139	236	235	201	595	724	1,019
Colorado	332	464	959	1,090	1,129	1,856	3,719	4,180
New Mexico	162	281	459	626	559	1,014	1,765	2,323
Arizona	668	843	1,626	1,823	3,437	3,480	5,525	6,588
Utah	171	235	523	612	417	650	2,377	2,849
Nevada	590	596	597	703	2,590	3,210	4,431	2,323
Pacific	6,100	9,054	14,733	17,284	29,818	47,751	79,245	91,591
Washington	1,814	2,765	4,074	4,904	9,690	17,371	24,030	28,093
Oregon	903	973	2,046	2,994	4,185	5,545	12,703	13,537
California	3,384	5,316	8,612	9,986	15,948	24,836	42,512	49,001

Source: Federal Power Commission; based on annual report, *Production of Electric Energy and Capacity of Generating Plants*, and related monthly reports.

No. 682. WATER POWER—DEVELOPED, 1920 TO 1957, AND ESTIMATED UNDEVELOPED,
1957, BY STATES

[In thousands of kilowatts. As of December 31]

STATE	DEVELOPED WATER POWER (capacity of actual installations only)										Estimated undeveloped water power, 1957	
	Electric utilities only		Electric utilities and industrial plants									
	1920	1930	Total	Utilities	1939	Total	Utilities	Industrial	1950	Total	Utilities	Industrial
Cont. U. S.	3,704	8,585	12,075	11,004	18,675	17,675	1,000	27,761	27,036	725	90,242	
New England	291	758	1,115	833	1,239	971	268	1,528	1,259	269	2,728	
Maine	40	174	301	188	301	270	121	498	352	145	1,263	
New Hampshire	43	212	202	235	312	202	50	447	399	48	504	
Vermont	49	156	173	158	102	177	15	200	188	13	454	
Massachusetts	114	129	228	161	223	168	55	235	185	49	269	
Rhode Island	2	2	14	3	11	2	8	6	2	4		
Connecticut	44	79	107	88	107	89	18	144	132	12	188	
Middle Atlantic	662	1,290	1,633	1,563	1,678	1,602	76	1,600	1,520	81	8,932	
New York	540	1,074	1,229	1,106	1,225	1,155	70	1,157	1,082	75	4,575	
New Jersey	1	1	6	3	9	6	3	9	6	3	225	
Pennsylvania	120	215	399	395	444	441	3	435	432	3	3,282	
East North Central	372	602	790	703	901	828	73	935	850	86	2,799	
Ohio	17	13	16	12	16	12	4	14	11	3	341	
Indiana	11	35	38	35	37	37	-----	36	35		600	
Illinois	48	60	61	49	54	49	5	43	40	3	1,209	
Michigan	167	268	368	344	399	384	15	423	394	28	328	
Wisconsin	184	247	318	263	396	347	49	421	370	51	321	
West North Central	257	279	537	501	629	577	52	1,342	1,298	44	6,168	
Minnesota	88	122	158	126	181	188	48	191	156	35	231	
Iowa	188	124	127	127	137	137	-----	138	138	(1)	464	
Missouri	12	13	161	161	151	151	-----	103	103	-----	2,938	
North Dakota			(1)					240	240		350	
South Dakota	5	4	4	4	11	8	8	833	324	8	1,227	
Nebraska	7	11	87	86	142	142	(1)	241	241	(1)	600	
Kansas	7	6	9	7	6	6	-----	6	6	6	290	
South Atlantic	589	1,603	2,224	1,803	2,767	2,297	470	3,732	3,548	184	7,645	
Delaware			(1)		1	1	1	1	1	1	300	
Maryland	1	272	273	271	272	271	1	272	271	1	300	
District of Columbia			2	3	2	3	3	3	3	3		
Virginia	45	88	204	182	207	183	24	420	398	22	1,381	
West Virginia	9	56	209	101	208	101	107	208	101	107	2,160	
North Carolina	144	397	651	400	962	662	300	1,222	1,208	14	974	
South Carolina	231	506	520	495	679	653	26	966	938	27	786	
Georgia	155	271	349	337	425	412	18	599	586	18	1,924	
Florida	4	14	14	14	13	13	43	43	43	43	60	
East South Central	170	863	1,270	1,140	2,729	2,721	8	3,726	3,718	8	3,679	
Kentucky		105	111	111	271	271	-----	541	541	-----	1,320	
Tennessee	97	127	432	310	1,238	1,238	-----	1,886	1,886	-----	357	
Alabama	72	632	727	719	1,220	1,212	8	1,298	1,291	8	1,502	
Mississippi											410	
West South Central	4	19	140	139	466	463	3	948	945	3	3,801	
Arkansas	1	11	67	67	148	145	3	391	388	3	1,484	
Louisiana			1	1	-----	-----		166	166		45	
Oklahoma	1	2	2	2	74	74	-----	106	106		707	
Texas	2	6	71	71	245	245	(1)	301	301	(1)	1,605	
Mountain	487	784	1,588	1,581	2,286	2,282	4	3,785	3,783	2	21,245	
Montana	212	300	321	321	427	426	1	861	851		5,799	
Idaho	135	225	287	267	441	440	1	864	863	1	7,879	
Wyoming	2	12	47	47	70	70	-----	143	143		978	
Colorado	48	52	87	66	92	91	1	248	248	1	1,801	
New Mexico	1	1	1	1	25	25	-----	25	25		178	
Arizona	23	87	203	293	541	541	-----	980	980		3,391	
Utah	58	68	93	92	94	94	-----	87	87		1,085	
Nevada	9	9	505	504	587	586	1	588	587	1	134	
Pacific	872	2,391	2,783	2,741	5,979	5,933	46	10,165	10,116	48	33,795	
Washington	241	596	812	784	2,591	2,564	27	4,639	4,661	27	18,487	
Oregon	65	156	286	278	783	766	17	2,209	2,190	20	6,128	
California	566	1,640	1,685	1,680	2,006	2,004	2	3,267	3,265	2	9,180	

¹ Less than 500.

Source: Federal Power Commission; annual report, *Production of Electric Energy and Capacity of Generating Plants*, and annual summaries.

No. 683. FEDERAL ELECTRIC UTILITY PROJECTS—INSTALLED CAPACITY AND INVESTMENT ALLOCATED TO ELECTRIC PLANT: 1955 TO 1957

[As of June 30. Comprises only the electricity generating plant of these projects and excludes projects not primarily manufacturing electricity (e.g., West Point, Annapolis). Investments represent allocation to power projects for capital equipment and improvements. Reserves for depreciation have not been deducted]

PROJECT GROUP OR SYSTEM	INSTALLED CAPACITY (1,000 kw)			INVESTMENT ALLOCATED ¹ (\$1,000)		
	1955	1956	1957	1955	1956	1957
Total.....	15,033	17,553	18,955	3,811,843	4,306,691	4,776,203
Percent capacity of all electric utilities.....	13.1	14.5	14.7			
Central Valley: Bureau of Reclamation.....	522	630	630	134,081	168,359	135,688
Columbia Basin.....	3,019	4,239	4,728	1,020,600	1,195,135	1,492,376
Bonneville Power Administration (transmission).....				368,914	307,495	419,386
Bureau of Reclamation.....	2,259	2,259	2,259	218,084	217,640	277,410
Corps of Engineers.....	1,360	1,980	2,487	433,602	580,000	795,580
Hoover and Parker-Davis: Bureau of Reclamation.....	1,595	1,595	1,595	205,598	206,838	206,701
Missouri Basin.....	687	927	1,107	369,677	528,815	506,443
Bureau of Reclamation.....	362	362	362	214,278	225,425	230,327
Corps of Engineers.....	325	565	745	155,299	303,390	360,116
Southeastern Power Administration.....	1,031	1,031	1,126	250,142	295,831	343,554
Southeastern Power Administration (transmission).....				63	60	77
Corps of Engineers.....	1,031	1,031	1,126	250,079	295,762	343,477
Southwestern Power Administration.....	426	501	501	144,639	173,272	170,115
Southwestern Power Administration (transmission).....				23,444	23,589	24,017
Corps of Engineers.....	426	501	501	121,185	149,683	140,988
Tennessee Valley Authority.....	7,005	8,472	9,057	1,634,057	1,693,741	1,766,300
Other projects.....	148	158	213	44,159	44,700	66,026
Bureau of Reclamation.....	83	93	149	20,483	20,927	39,849
Corps of Engineers.....	18	18	18	11,834	11,846	11,846
Bureau of Indian Affairs.....	15	15	14	6,342	6,427	6,688
International Boundary and Water Commission.....	32	32	32	5,500	5,500	6,648

¹ Includes estimates.

Source: Federal Power Commission.

No. 684. ELECTRIC UTILITIES—NUMBER OF ELECTRIC UTILITY SUPPLY SYSTEMS AND GENERATING PLANTS, BY CLASS OF OWNERSHIP: 1945 TO 1957

[As of December 31. Duplications of establishments operating in two or more States have been eliminated. Each type of prime mover in combination generating plants counted separately; nonutility generating plants, approximately 2,507 in 1957, producing primarily for industrial use, are excluded]

ITEM	Total, all classes	Pri- vately owned	Cooper- atively owned	PUBLICLY OWNED			
				Total	Munic- ipal	Fed- eral	Other ¹
1945: Total electric supply systems.....	4,051	1,060	800	2,191	2,092	74	25
Systems with generating plants.....	1,594	492	83	1,019	990	18	11
Number of generating plants.....	3,886	2,400	142	1,344	1,157	86	101
1950: Total electric supply systems.....	4,007	821	963	2,223	2,077	55	91
Systems with generating plants.....	1,495	393	92	1,010	955	13	42
Number of generating plants.....	3,807	2,334	166	1,367	1,136	83	148
1955: Total electric supply systems.....	3,648	581	950	2,117	1,968	57	92
Systems with generating plants.....	1,315	315	78	922	865	9	48
Number of generating plants.....	3,587	2,103	148	1,338	1,068	120	141
1956: Total electric supply systems.....	3,454	475	935	2,044	1,805	57	92
Systems with generating plants.....	1,283	301	73	909	853	9	47
Number of generating plants.....	3,534	2,064	141	1,329	1,061	133	136
1957: Total electric supply systems.....	3,438	465	933	2,040	1,890	57	93
Systems with generating plants.....	1,265	286	74	895	838	9	48
Number of generating plants.....	3,517	2,049	142	1,326	1,047	133	140

¹ Public utility districts and State projects.

Source: Federal Power Commission; annual report, *Production of Electric Energy and Capacity of Generating Plants*, and annual summaries.

No. 685. ELECTRIC LIGHT AND POWER INDUSTRY—ENERGY GENERATED, SALES, REVENUE, AND CUSTOMERS: 1940 TO 1958

[See also *Historical Statistics, 1789-1945*, series G 225-233]

CLASS	1940	1945	1950	1955	1957	1958
Energy generated ¹ million kilowatt-hours	141,837	222,486	329,141	547,038	631,507	644,760
Sales to ultimate customers	do	118,643	193,558	280,539	480,921	557,829
Residential or domestic	do	23,317	34,184	67,030	120,524	147,059
Rural (distinct rural rates)	do	1,991	3,669	7,400	10,761	11,290
Commercial and industrial:						
Small light and power	do	22,373	30,438	50,446	80,759	95,142
Large light and power	do	59,557	107,490	139,065	249,206	282,784
All other	do	11,405	17,777	18,593	19,681	21,604
Revenue from ultimate customers \$1,000,000	2,440	3,342	5,086	8,020	9,290	9,734
Residential or domestic	do	896	1,167	1,932	3,187	3,769
Rural (distinct rural rates)	do	49	90	158	229	242
Commercial and industrial:						
Small light and power	do	689	850	1,334	1,993	2,304
Large light and power	do	631	1,002	1,405	2,276	2,599
All other	do	174	232	258	336	385
Ultimate customers, Dec. 31	1,000	30,191	34,031	44,986	52,559	55,171
Residential or domestic	do	24,952	28,117	37,533	44,409	46,857
Rural (distinct rural rates)	do	886	1,234	1,596	1,648	1,635
Commercial and industrial:						
Small light and power	do	4,260	4,398	5,468	6,042	6,187
Large light and power	do	178	162	235	288	300
All other	do	115	119	156	172	183

¹ Figures obtained by Edison Electric Institute from Federal Power Commission.

Source: Edison Electric Institute, New York, N. Y.; annual statistical bulletin.

No. 686. CONSUMPTION OF FUELS BY ELECTRIC UTILITIES FOR PRODUCTION OF ELECTRIC ENERGY: 1920 TO 1958

[For years ending December 31. Use of fuels for stand-by purposes is included. See also *Historical Statistics, 1789-1945*, series G 194-199]

YEAR	CONSUMPTION OF FUELS					Con- sump- tion of coal and coal equiva- lent of other fuels (1,000 short tons)	Out- put by fuels ² (million kilo- watt- hours)	Con- sump- tion of coal per kilo- watt- hour (pounds)
	Coal (1,000 short tons)							
	Total	Bitumi- nous ¹	Anthra- cite	Lignite ¹	Fuel oil (1,000 42-gal. bbl.)	Gas (million cubic feet)		
1920	31,640	30,090	1,640	—	12,690	22,136	35,791	23,495
1925	65,615	53,803	1,812	—	9,794	45,472	40,014	39,443
1930	40,278	38,130	2,148	—	8,805	110,553	47,545	59,583
1935	32,715	30,936	1,779	—	11,287	124,118	49,707	66,689
1940	51,474	47,721	2,848	1,406	16,325	180,096	62,942	93,963
1945	74,725	70,621	3,122	982	20,228	326,212	92,642	142,331
1950	91,871	86,255	3,609	1,407	75,420	628,919	138,421	232,813
1951	105,768	100,378	3,870	1,521	63,945	763,898	154,498	270,531
1952	107,071	101,705	2,762	1,514	67,218	910,117	180,872	293,640
1953	115,897	110,774	3,614	1,509	82,238	1,034,272	178,491	337,042
1954	118,385	118,600	3,166	1,558	66,745	1,165,498	180,307	364,354
1955	143,759	138,883	3,209	1,687	75,274	1,153,280	206,920	433,786
1956	158,270	153,492	3,296	1,491	72,711	1,239,311	223,733	478,487
1957	160,769	156,055	3,363	1,361	79,693	1,336,141	232,576	501,098
1958 (prel.)	165,708	151,749	2,782	1,178	77,650	1,372,881	228,171	504,713

¹ Lignite included with bituminous coal prior to 1940.

² Output by use of wood and waste not included except small amount in 1958.

Source: Federal Power Commission; annual report, *Consumption of Fuel for Production of Electric Energy*, and related monthly reports.

POWER AND SCIENTIFIC DEVELOPMENT

No. 687. FARM ELECTRIFICATION: 1940 TO 1958

[Beginning 1950, data reflect change in Census definition of farm, which tends to decrease number of farms.]

ITEM		1940	1945	1950	1955	1957	1958
Total number of farms ¹	1,000	6,097	5,869	5,382	4,782	-	-
Total number of farms served, Dec. 31	do	2,050	2,929	4,424	4,487	4,615	4,647
By private companies	do	1,440	1,707	1,998	1,940	2,004	2,018
By public authorities, total	do	602	1,222	2,426	2,547	2,611	2,620
By REA cooperatives ³	do	518	1,051	2,168	2,287	2,341	2,353
Other public ⁴	do	84	171	258	200	270	271
EASTERN FARMS							
Number of customers (farms served), average	1,000	1,431	2,160	3,288	3,445	3,547	3,576
Sales, kilowatt-hours	1,000,000	1,535	3,394	7,677	12,574	15,670	15,834
Revenue	\$1,000,000	67	124	244	347	393	413
Kilowatt-hours per customer		1,073	1,571	2,335	3,650	4,139	4,428
Annual bill, average	dollars	46.46	57.60	74.25	100.74	110.93	115.57
Revenue per kilowatt-hour	cents	4.33	3.66	3.18	2.76	2.68	2.61
WESTERN FARMS ⁵							
Number of customers (farms served), average	1,000	414	638	958	1,009	1,042	1,056
Sales, kilowatt-hours	1,000,000	1,820	2,614	4,032	8,254	8,877	8,903
Revenue	\$1,000,000	36	53	88	147	160	171
Kilowatt-hours per customer		4,396	3,048	4,833	8,180	8,623	8,485
Annual bill, average	dollars	85.72	82.41	92.31	146.42	154.27	161.95
Revenue per kilowatt-hour	cents	1.95	2.09	1.91	1.79	1.81	1.92

¹ Census figures; relate to Apr. 1 for 1940 and 1950, Jan. 1 for 1945, and Nov. for 1954.² 1954 data.³ Represents cooperatives only and excludes customers of all other agencies (companies and municipalities) financed in whole or in part by REA.⁴ Customers served by municipal systems and various power districts.⁵ "Eastern farms" are those located in the area not affected by heavy irrigation pumping and their statistics are a measure of use of electricity on the average farm. "Western farms" are those where irrigation may be involved. Possibly less than one-fifth of farms in Irrigation States do actual pumping, but statistics are not available to make a more accurate separation. Figures for "Western farms," therefore, are more a reflection of fluctuation in the energy used than they are of the conventional farm requirements.

Source: Edison Electric Institute, New York, N. Y.; annual statistical bulletin.

No. 688. RURAL ELECTRIFICATION ADMINISTRATION—SUMMARY OF OPERATIONS, ELECTRIC PROGRAM: 1935 TO 1958

YEAR	LOANS APPROVED, CUMULATIVE, DEC. 31 ¹		SYSTEMS IN OPERATION, DEC. 31 ³			BORROWERS' OPERATIONS DURING YEAR ⁷			
	Borrow- ers ²	Amount	Systems ⁴	Miles ener- gized ⁵	Con- sumers served ⁶	Energy gen- erated	Energy pur- chased	Energy distrib- uted	Revenue
	Number	Mil. dol.	Number	1,000 miles	1,000	Mil. kw.-hr.	Mil. kw.-hr.	Mil. kw.-hr.	Mil. dol.
1935	7	7	2	0	0	(8)	(8)	(8)	(8)
1940	791	351	685	268	674	258	2,345	2,136	74
1945	961	667	848	460	1,409	568	8,165	7,779	241
1950	1,076	2,312	1,007	1,080	3,413	1,077	11,757	11,534	324
1951	1,076	2,484	1,018	1,179	3,666	1,413	9,999	9,738	285
1952	1,081	2,669	1,020	1,245	3,853	1,640	11,757	11,534	324
1953	1,078	2,778	1,022	1,297	4,025	2,103	13,738	13,755	366
1954	1,075	2,946	1,024	1,333	4,174	2,721	16,129	16,508	413
1955	1,077	3,125	1,026	1,362	4,261	3,255	18,457	19,200	455
1956	1,077	3,343	1,026	1,388	4,302	3,612	20,976	21,907	498
1957	1,079	3,634	1,030	1,405	4,466	3,291	23,335	23,745	531
1958 (prel.)	1,081	3,847	1,030	1,426	4,590	3,569	25,703	26,160	570

¹ Net; i. e., excludes loans rescinded. For years prior to 1948, includes amounts not yet under loan contract.² Organizations, mainly cooperatives, to which loans for extending central station electric service in rural areas are made.³ Includes data at time of repayment of loan for borrowers whose loans have been repaid in full. As of Dec. 31, 1958, there were 56 such borrowers, with 15,312 miles energized and 74,216 consumers served.⁴ Rural electric distribution, generation, and transmission systems operated by REA borrowers.⁵ Total miles of electric distribution and transmission line in service.⁶ Through 1954, this item was headed "Consumers connected." The change was a result of a revised definition of a consumer as reported by REA borrowers, effective Jan. 1, 1955. It resulted in a downward adjustment in the national total of about 60,000 for 1955, chiefly through elimination of idle services.⁷ Includes energy sales and revenues of power sold by one REA borrower to another. ⁸ Not available.Source: Department of Agriculture, Rural Electrification Administration; *Agricultural Statistics*.

ELECTRIC AND GAS UTILITIES

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No. 689. ELECTRIC UTILITIES—BALANCE SHEET AND INCOME ACCOUNT OF PRIVATELY OWNED CLASS A AND B COMPANIES: 1940 TO 1957

[In millions of dollars. For years ending December 31. Data cover reports of all companies having annual electric revenues in excess of \$250,000, representing approximately 98 percent of the privately owned industry]

ITEM	1940	1945	1950	1954	1955	1956	1957
COMPOSITE BALANCE SHEET							
Assets and other debits	15,570	14,568	20,590	29,054	31,081	33,341	36,498
Utility plant and adjustments	14,407	14,491	21,443	31,248	33,709	36,446	39,901
Reserve for depreciation and amortization	1,918	3,065	4,385	5,900	6,406	6,902	7,670
Utility plant less reserves	12,494	11,420	17,056	25,341	27,303	29,484	32,421
Investment and fund accounts	1,380	1,089	1,235	1,009	1,983	1,937	1,979
Current and accrued assets	1,123	1,696	2,058	2,437	2,567	2,618	2,709
Other assets	582	357	239	287	277	303	298
Liabilities and other credits	15,570	14,568	20,590	29,054	31,081	33,341	36,498
Capital stock	6,671	6,062	7,944	10,635	11,231	11,878	12,487
Capital surplus	257	230	324	320	330	320	352
Earned surplus	860	766	1,346	2,135	2,364	2,714	3,121
Long-term debt	6,895	6,141	9,189	13,322	14,330	15,231	17,051
Current and accrued liabilities	602	905	1,527	2,254	2,381	2,627	2,804
Other liabilities	304	395	261	381	445	502	683
COMPOSITE INCOME ACCOUNT							
Electric operating revenues	2,404	3,171	4,784	6,549	7,199	7,780	8,308
Electric operating revenue deductions	1,667	2,400	3,828	5,202	5,702	6,173	6,603
Net electric operating revenues	737	763	956	1,347	1,497	1,607	1,705
Income from electric plant leased to others	8	5	5	3	3	3	3
Electric utility operating income	744	708	961	1,350	1,500	1,610	1,708
Other utility operating income	61	65	72	109	119	137	144
Total utility operating income	805	838	1,033	1,450	1,620	1,748	1,852
Other income	68	54	68	67	68	61	64
Gross income	873	887	1,101	1,526	1,653	1,808	1,916
Income deductions	325	353	270	392	439	476	503
Net income	548	534	822	1,134	1,244	1,332	1,413

¹ Less reserves.

Source: Federal Power Commission; annual report, *Statistics of Electric Utilities in the United States*.

No. 690. GAS UTILITY AND PIPELINE INDUSTRY—COMPOSITE BALANCE SHEET AND INCOME ACCOUNT: 1945 TO 1957

[In millions of dollars]

ITEM	1945	1950	1952	1953	1954	1955	1956	1957
COMPOSITE BALANCE SHEET								
Assets and other debits	5,825	9,280	12,115	13,680	14,705	15,960	17,410	19,760
Utility plant and adjustments	4,955	7,880	10,385	11,685	12,595	13,750	14,930	16,685
Investment and fund accounts	190	370	440	585	535	550	655	1,045
Current and accrued assets	615	995	1,180	1,265	1,420	1,515	1,655	1,850
Deferred debits ¹	65	65	110	145	155	145	170	180
Liabilities and other credits	5,825	9,280	12,115	13,680	14,705	15,960	17,410	19,760
Capital stock	1,780	2,485	3,070	3,405	3,725	4,060	4,300	4,750
Long-term debt	1,555	3,230	4,050	5,415	5,775	6,075	6,505	7,670
Current and accrued liabilities	385	755	1,065	1,160	1,205	1,440	1,685	1,940
Reserve for depreciation, retirement, depletion, etc.	1,445	1,795	2,110	2,350	2,615	2,865	3,150	3,390
Capital surplus	125	145	180	165	195	205	220	245
Retained income	380	740	875	975	965	1,080	1,220	1,380
Other liabilities and credits	165	180	165	210	225	235	270	385
COMPOSITE INCOME ACCOUNT								
Operating revenues	1,414	2,634	3,571	4,130	4,613	5,239	5,847	6,413
Operating revenue deductions	1,196	2,254	3,105	3,590	4,013	4,565	5,060	5,573
Net operating revenues	218	380	466	540	600	684	787	840
Income from utility plant leased to others	1	2	3	2	2	2	2	2
Utility operating income	218	381	468	543	602	686	789	842
Other income (nonoperating)	16	35	34	30	48	51	57	81
Gross income	234	416	502	573	650	737	846	923
Income deductions	77	90	141	180	200	213	227	275
Net income	157	326	361	393	450	524	610	648

¹ Includes capital stock discount and expense and reacquired securities.

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 691. GAS UTILITY INDUSTRY—CUSTOMERS AND REVENUES, BY CLASS OF SERVICE: 1935 TO 1958

[Covers natural, manufactured, mixed, and liquid petroleum gas. Based on questionnaire mailed to all privately owned gas utilities and municipally owned gas departments in the United States, except those with annual revenues less than \$25,000, which in the aggregate account for only a negligible portion of the industry]

YEAR	CUSTOMERS (1,000) ¹					REVENUES (\$1,000,000) ²				
	Total	Residen-tial	Com-mercial	Indus-trial	Other	Total	Residen-tial	Com-mercial	Indus-trial	Other
1935	15,819	14,725	1,014	72	8	727	503	91	130	2
1940	17,600	16,381	1,188	73	8	872	573	112	182	5
1945	19,977	18,607	1,278	80	12	1,153	705	149	281	18
1950	24,001	22,146	1,739	100	16	1,048	1,177	266	480	26
1952	25,850	23,852	1,869	104	25	2,467	1,457	321	639	50
1953	26,705	24,047	1,926	107	25	2,719	1,574	330	739	66
1954	27,528	25,398	1,900	112	28	3,052	1,783	378	821	71
1955	28,470	26,283	2,048	121	27	3,452	2,007	424	938	88
1956	29,536	27,241	2,141	125	29	3,853	2,237	471	1,066	80
1957	30,470	28,101	2,211	132	32	4,136	2,379	506	1,160	102
1958 (prel.)	31,371	28,934	2,269	132	36	4,575	2,686	572	1,218	90

¹ Yearly averages.

² Excludes revenues from sales for resale.

No. 692. GAS UTILITY INDUSTRY—CUSTOMERS, SALES, AND REVENUES, BY TYPE OF GAS: 1956 TO 1958

[See headnote, table 691.]

TYPE OF GAS	CUSTOMERS (1,000) ¹			SALES (1,000,000 therms)			REVENUES (\$1,000,000) ²		
	1956	1957	1958 (prel.)	1956	1957	1958 (prel.)	1956	1957	1958 (prel.)
All types	29,536	30,476	31,371	72,923	77,398	79,767	3,853	4,136	4,575
Natural gas	25,200	27,046	28,097	69,804	75,013	77,283	3,422	3,707	4,227
Manufactured gas	704	516	424	332	215	191	60	48	39
Mixed gas	3,353	2,730	2,075	2,710	2,105	2,220	343	280	292
Liquefied petroleum gas	219	184	175	78	65	68	19	16	17

¹ Yearly averages.

² Excludes revenues from sales for resale.

No. 693. UTILITY GAS MAINS—MILEAGE, BY TYPE OF GAS AND BY TYPE OF MAIN: 1945 TO 1958

[As of December 31. Excludes service pipe. Data not adjusted to common diameter equivalent]

TYPE OF GAS AND MAIN	1945	1950	1952	1953	1954	1955	1956	1957	1958 (prel.)
All types, total	310,670	387,470	425,290	446,350	470,490	496,740	525,220	548,820	564,100
Field and gathering	27,000	32,850	38,400	41,460	48,790	45,680	47,570	50,020	51,500
Transmission	82,190	113,050	123,380	180,360	188,980	145,970	153,820	160,110	165,300
Distribution	201,480	241,570	203,510	274,530	287,720	305,090	323,830	338,090	347,300
Natural gas	218,000	314,480	368,900	394,970	420,860	448,770	400,550	514,960	532,570
Field and gathering	27,000	32,850	38,400	41,460	48,790	45,680	47,570	50,020	51,500
Transmission	77,280	109,860	119,540	126,730	135,370	142,490	151,180	167,540	162,840
Distribution	113,720	172,270	210,960	226,780	241,700	260,600	291,800	307,400	318,230
Manufactured gas	72,000	65,420	27,320	16,520	14,240	11,960	6,760	6,350	6,060
Transmission	3,410	2,230	1,190	820	650	420	170	180	180
Distribution	68,590	53,190	26,130	15,700	13,500	11,540	6,590	6,170	5,880
Mixed gas	18,660	17,990	23,670	29,680	30,740	31,440	24,190	24,090	22,360
Transmission	1,480	1,370	2,570	2,730	2,890	2,980	2,410	2,320	2,210
Distribution	17,180	10,620	21,100	26,950	27,850	28,450	21,780	21,770	20,160
Liquefied petroleum gas	2,010	5,580	5,400	5,180	4,650	4,670	3,720	3,420	3,110
Transmission	20	90	80	80	70	70	60	70	70
Distribution	1,900	5,400	5,320	5,100	4,580	4,500	3,880	3,850	3,040

Source of tables 691-693: American Gas Association, New York, N. Y.; yearbook, Gas Facts.

**No. 694. GAS UTILITY INDUSTRY—CUSTOMERS AND REVENUES, BY TYPE OF GAS,
CLASS OF SERVICE, AND STATES: 1957**

[See headnote, table 691]

TYPE OF GAS AND STATE	CUSTOMERS (1,000) ¹					REVENUES (\$1,000,000) ²				
	Total	Resi- dential	Com- mer- cial	Indus- trial	Other	Total	Resi- dential	Com- mer- cial	Indus- trial	Other
Cont. U.S.	30,476.0	28,101.2	2,211.1	132.0	31.7	4,136	2,379	506	1,150	102
Natural gas	27,045.8	24,902.3	2,000.1	113.8	20.6	3,797	2,118	461	1,118	100
Manufactured gas	516.6	483.4	31.1	0.9	1.2	43	31	9	2	1
Mixed gas	2,729.9	2,542.0	164.1	17.0	0.8	280	219	31	29	1
L.P. gas	183.7	167.5	18.8	0.3	0.1	16	12	4	(3)	(3)
N.E.	1,609.5	1,516.4	79.6	12.5	1.0	163	121	20	21	1
Conn.	372.4	349.5	20.7	2.1	0.1	41	28	5	7	(3)
Maine	36.9	35.0	1.8	0.1	(4)	4	3	(3)	(3)	(3)
Mass.	988.1	931.7	46.8	8.9	0.7	100	76	12	11	1
N.H.	36.2	33.9	2.1	0.1	0.1	4	3	1	(3)	(3)
R.I.	156.6	147.9	7.4	1.2	0.1	14	10	2	2	(3)
Vt.	19.3	18.4	0.8	0.1	(4)	1	1	(3)	(3)	(3)
M.A.	7,386.0	6,854.2	494.2	28.9	8.7	821	567	108	139	8
N.J.	1,411.8	1,205.8	110.4	5.6	(4)	140	104	21	14	(3)
N.Y.	3,870.6	3,584.5	265.3	14.9	5.9	355	258	55	37	5
Pa.	2,103.6	1,973.9	118.5	8.4	2.8	326	205	32	87	2
E.N.C.	6,753.1	6,291.9	427.8	25.7	7.7	1,038	659	121	252	7
Ill.	2,104.9	1,986.2	105.8	11.8	1.4	282	179	24	78	1
Ind.	721.4	668.0	49.9	2.1	1.4	98	57	12	29	1
Mich.	1,393.7	1,292.8	95.8	5.1	(4)	217	155	25	37	(3)
Ohio	2,029.4	1,873.3	146.8	4.4	4.9	376	228	52	97	4
Wis.	503.7	471.6	29.8	2.3	(4)	66	45	8	11	1
W.N.C.	2,448.6	2,235.9	198.0	13.9	0.8	414	231	55	113	15
Iowa	397.4	358.2	38.0	1.2	(4)	69	39	12	16	3
Kans.	505.4	457.4	45.0	2.8	0.2	85	37	9	33	6
Minn.	434.4	404.3	27.7	2.3	0.1	85	52	9	22	1
Mo.	754.8	701.9	49.6	3.2	0.1	108	68	13	25	2
Nebr.	268.3	234.9	28.9	4.1	0.4	52	26	8	15	3
N. Dak.	35.4	32.0	3.3	0.1	(4)	5	3	1	(3)	(3)
S. Dak.	62.9	47.2	5.5	0.2	(4)	10	5	2	2	(3)
S.A.	2,225.2	2,046.4	167.4	6.5	4.9	315	181	40	89	5
Del.	50.3	56.0	3.3	(4)	(4)	6	5	1	1	(3)
D.C.	180.7	163.7	15.3	0.7	1.0	22	16	4	(3)	1
Fla.	201.2	188.1	12.0	0.2	0.9	24	11	5	7	1
Ga.	451.9	413.2	35.9	2.7	0.1	60	32	8	20	1
Md.	514.8	481.1	32.1	1.0	0.6	63	47	6	9	(3)
N.C.	88.8	73.8	9.6	0.4	(4)	16	7	3	6	(3)
S.C.	84.2	56.6	7.4	0.2	(4)	15	4	2	9	(3)
Va.	326.1	301.7	22.8	0.8	0.8	48	31	6	10	1
W. Va.	343.2	312.2	29.0	0.5	1.5	52	27	6	17	1
E.S.C.	1,294.2	1,169.8	118.4	4.0	2.0	223	98	28	87	10
Ala.	389.9	361.3	27.8	0.7	0.1	67	29	6	32	1
Ky.	381.6	347.1	32.9	0.6	1.0	57	33	7	15	1
Miss.	245.0	217.3	26.0	1.5	0.2	41	14	4	20	2
Tenn.	277.7	244.1	31.7	1.2	0.7	58	22	10	20	6
W.S.C.	3,488.4	3,150.4	307.7	25.5	4.8	487	179	43	249	16
Ark.	263.5	228.2	33.7	1.5	0.1	47	15	6	26	1
La.	622.8	573.2	45.5	3.3	0.8	97	26	4	64	2
Okla.	559.6	502.1	52.8	3.2	1.5	64	34	9	18	3
Tex.	2,042.5	1,840.9	175.7	17.5	2.4	279	104	25	141	10
Mt.	1,058.5	947.6	105.1	4.0	1.8	188	86	28	66	8
Ariz.	245.2	220.7	23.0	1.3	0.2	36	14	4	18	(3)
Colo.	339.6	301.0	38.1	0.4	0.1	61	31	13	16	1
Idaho	2.4	1.7	0.6	0.1	—	4	(3)	(3)	3	—
Mont.	105.8	94.5	10.9	0.4	(4)	19	10	4	5	(3)
Nev.	19.4	18.4	1.0	(4)	(4)	6	2	1	3	(3)
N. Mex.	150.0	134.1	13.6	1.2	1.1	30	11	3	10	6
Utah	136.8	124.5	11.9	0.4	—	24	14	2	8	—
Wyo.	59.3	52.7	6.0	0.2	0.4	9	5	2	2	(3)
Pac.	4,212.5	3,886.6	312.9	11.0	(4)	487	258	63	134	32
Calif.	4,042.9	3,745.2	287.7	10.0	(4)	450	245	56	117	32
Oreg.	95.5	84.2	10.6	0.7	(4)	15	8	3	4	(3)
Wash.	74.1	59.2	14.6	0.3	—	22	5	4	13	—

¹ Averages for the year. ² Excludes revenues from sales for resale.³ Less than \$500,000. ⁴ Less than 50 customers.

No. 695. ESTIMATES OF NATURAL GAS RESERVES: 1945 TO 1958

[In billions of cubic feet. Volumes calculated at a pressure base of 14.65 p. s. i., absolute, and at a standard temperature of 60° F.]

YEAR	NATURAL GAS ADDED DURING YEAR			Net increase in underground storage	Net production during year	Estimated proved reserves as of end of year	Increase over previous year
	Total	Extensions and revisions	Discoveries of new fields and new pools in old fields				
1945						147,789	
1950	12,050	9,172	2,877	54	6,893	185,593	5,211
1952	14,346	8,934	5,411	109	8,640	199,716	5,905
1953	20,453	13,371	7,082	1,516	9,289	211,447	11,731
1954	9,599	4,632	4,967	91	9,427	211,711	264
1955	22,017	16,298	5,719	88	10,118	223,697	11,987
1956	24,851	19,215	5,636	134	10,908	237,775	14,077
1957	20,117	11,118	8,990	180	11,502	246,569	8,795
1958 (prel.)	19,000	13,389	5,611	58	11,485	254,142	7,573

¹ Includes all native gas in storage reservoirs formerly classified as a natural gas reserve.

Source: American Gas Association, New York, N. Y.; yearbook, *Gas Facts*.

No. 696. RESEARCH AND DEVELOPMENT EXPENDITURES: 1945 TO 1958

[Government data derived from actual Federal budget expenditures for research and development plus estimates of procurement expenditures used for research and development. Other data derived from many government and nongovernment sources]

YEAR	Total	SOURCE OF FUNDS			USE OF FUNDS BY—		
		Government	Industry	University	Government	Industry	University
EXPENDITURES (\$1,000,000)							
1945	1,520	1,070	430	20	430	990	100
1950	2,370	1,610	1,180	80	870	1,980	320
1951	3,360	1,980	1,300	80	700	2,300	360
1952	3,750	2,240	1,430	80	800	2,530	420
1953	4,000	2,490	1,430	80	770	2,810	420
1954	4,140	2,460	1,600	80	700	3,020	420
1955	5,400	2,720	2,600	80	1,000	3,950	460
1956	6,500	3,170	3,250	80	1,110	4,920	470
1957	8,200	3,750	4,300	150	1,370	6,230	550
1958	10,230	4,430	5,600	200	1,380	8,100	750
PERCENT OF TOTAL							
1945	100	70	28	2	28	65	7
1950	100	56	41	3	20	69	11
1951	100	59	39	2	21	68	11
1952	100	60	38	2	21	68	11
1953	100	62	36	2	19	70	11
1954	100	59	39	2	17	73	10
1955	100	50	48	2	19	73	8
1956	100	49	50	1	17	76	7
1957	100	46	52	2	17	76	7
1958	100	43	55	2	14	79	7

Source: Department of Defense, Office of the Secretary.

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No. 697. FEDERAL GOVERNMENT EXPENDITURES FOR SCIENTIFIC RESEARCH AND DEVELOPMENT, BY AGENCY: 1950 TO 1959

[In millions of dollars. For years ending June 30. Comprises expenditures for conduct of research and development and for increase of research and development plant]

AGENCY	1950	1953	1954	1955	1956	1957	1958 ¹	1959 ¹
Total expenditures:								
Excluding military pay and allowances	1,083	2,099	2,084	2,133	2,347	2,836	3,242	3,538
Including military pay and allowances	(2)	(2)	(2)	2,291	2,535	3,031	3,435	3,732
Departments:								
Agriculture	58	55	55	72	88	97	111	122
Commerce	12	14	11	10	20	20	21	27
Defense: ²								
Excluding military pay	652	1,569	1,582	1,551	1,629	1,890	2,029	2,205
Including military pay	(2)	(2)	(2)	1,708	1,817	2,035	2,233	2,309
Health, Education, and Welfare	(2)	65	63	70	86	143	200	210
Public Health Service	40	62	60	68	83	139	191	200
Other	(2)	4	3	* 2	4	5	9	10
Interior	32	36	39	32	36	42	48	52
Other:								
Atomic Energy Commission	221	262	274	290	385	512	655	698
National Advisory Committee for Aeronautics	55	79	90	74	71	76	94	101
National Science Foundation	-	2	4	9	15	31	38	51
All other agencies	18	19	17	26	17	25	37	63

¹ Estimates.² Not available.

³ Total Department of Defense includes expenditures of the Departments of Army, Navy, and Air Force as well as departmentwide funds. Excluded is the research and development financed from production and procurement funds.

Source: National Science Foundation; annual report, *Federal Funds for Science*.

No. 698. FEDERAL GOVERNMENT OBLIGATIONS FOR SCIENTIFIC RESEARCH AND DEVELOPMENT: 1950 TO 1959

[In millions of dollars. For years ending June 30]

AGENCY	1950	1953	1954	1955	1956	1957	1958 ¹	1959 ¹
Total obligations:								
Excluding military pay and allowances	1,176	2,148	1,900	2,095	2,505	2,980	3,371	3,715
Including military pay and allowances	(2)	(2)	(2)	2,252	2,698	3,176	3,564	3,909
Conduct of research and development:								
Excluding military pay and allowances	973	1,900	1,744	1,887	2,231	2,529	2,911	3,350
Including military pay and allowances	(2)	(2)	(2)	2,045	2,419	2,724	3,104	3,545
Department of Agriculture	57	56	59	72	88	100	109	114
Department of Commerce	22	11	8	15	18	18	24	27
Department of Defense:								
Excluding military pay and allowances	600	1,477	1,288	1,872	1,585	1,689	1,854	2,256
Including military pay and allowances	(2)	(2)	(2)	1,529	1,773	1,885	2,048	2,450
Department of the Army	110	420	367	367	405	428	468	468
Military functions	117	410	365	366	404	427	457	466
Civil functions	2	1	2	(2)	1	1	1	2
Department of the Navy	258	490	413	395	496	538	549	641
Department of the Air Force	224	567	502	588	640	686	722	719
Departmentwide funds ⁴	(2)	(2)	(2)	22	45	37	125	423
Military pay and allowances	(2)	(2)	(2)	157	188	196	198	194
Department of Health, Education, and Welfare	34	60	58	68	86	144	185	185
Department of the Interior	29	32	38	35	38	47	51	53
Atomic Energy Commission	172	204	230	253	336	420	538	546
National Advisory Committee for Aeronautics	43	48	47	43	50	55	66	71
National Science Foundation	-	-	2	5	10	16	42	43
All other agencies	16	19	16	20	20	25	43	56
Increase of research and development plant	203	248	156	207	274	452	460	365

¹ Estimated.² Not available.³ Less than \$500,000.⁴ See footnote 2, table 699.Source: National Science Foundation; annual report, *Federal Funds for Science*.

No. 699. FEDERAL GOVERNMENT OBLIGATIONS FOR SCIENTIFIC RESEARCH AND DEVELOPMENT, BY CHARACTER OF WORK: 1958

[In thousands of dollars. Estimates for year ending June 30]

AGENCY AND SUBDIVISION	Total	CONDUCT OF RESEARCH AND DEVELOPMENT			Increase of re- search and develop- ment plant	
		Total	Research			
			Total	Basic		
Total, all agencies¹	3,564,110	3,104,266	1,046,428	259,373	1,864,538	468,841
Department of Agriculture	123,969	108,536	103,226	18,923	5,310	15,433
Department of Commerce	24,887	24,005	14,446	4,519	9,551	882
Department of Defense ²	2,186,248	2,047,748	470,065	40,302	1,383,488	138,500
Department of the Army	512,600	500,000	118,906	5,410	330,195	11,700
Military functions	510,600	499,700	117,705	5,410	330,195	10,900
Direct costs	467,800	456,900	117,705	5,410	330,195	10,900
Pay and allowances, military personnel ¹	42,800	42,800	—	—	—	800
Civil functions	2,000	1,200	1,200	—	—	—
Department of the Navy	627,231	500,131	162,070	9,333	380,862	37,100
Direct costs	586,031	548,931	162,070	9,333	380,862	37,100
Pay and allowances, military personnel ¹	41,200	41,200	—	—	—	—
Department of the Air Force	921,307	831,607	187,445	25,559	534,862	89,700
Direct costs	812,007	722,307	187,445	25,559	534,862	89,700
Pay and allowances, military personnel ¹	109,300	109,300	—	—	—	—
Departmentwide funds ³	123,110	123,110	2,536	—	122,574	—
Department of Health, Education, and Welfare	217,942	184,583	182,265	49,030	2,268	33,403
Department of the Interior	52,639	51,312	44,518	17,569	6,794	1,327
Atomic Energy Commission	759,185	538,016	116,719	63,902	421,297	221,160
Federal Civil Defense Administration	4,421	4,421	545	—	3,876	—
General Services Administration	2,193	2,193	—	—	2,193	—
National Advisory Committee for Aeronautics	103,300	65,600	54,448	20,467	11,152	37,700
National Science Foundation	49,425	41,053	41,653	41,053	—	7,772
Regular program	31,162	24,514	24,514	24,514	—	6,648
International Geophysical Year	18,263	17,139	17,139	17,139	—	1,124
Veterans Administration	11,344	9,734	9,734	1,400	—	1,610
All other agencies	28,557	26,515	7,009	1,548	18,606	2,042

¹ Pay and allowances of military personnel included in totals but not distributed by character of work.

² Includes Mutual Weapons Development Program, Weapons Systems Evaluation (Institute for Defense Analyses), the Advanced Research Project Agency, and funds from special accounts.

Source: National Science Foundation; *Federal Funds for Science, VII*.

No. 700. RESEARCH AND DEVELOPMENT IN THE NATURAL SCIENCES: 1954

[For accounting years coinciding with calendar 1953 or ending during 1954. Estimates constructed on different basis from those in table 696 and therefore not comparable. Refers in general only to the natural sciences; however, some funds utilized for research in the social sciences are included, due to the difficulty of separately identifying such funds. Although detailed figures are not yet available for a later year, the national total for 1956 is estimated at about \$9 billion.]

MAJOR SECTORS	AS SOURCES OF FUNDS (\$1,000,000)		AS PERFORMERS OF RESEARCH		
	For research and devel- opment	For basic research	Funds used (\$1,000,000)		Scientists and engineers employed ¹
			For research and devel- opment	For basic research	
Total	5,267	444	5,267	444	229,000
Federal Government agencies	2,787	213	973	47	85,300
Industry	2,310	141	2,747	2,163	104,100
Colleges and universities ³	125	62	2,443	2,208	25,200
Other nonprofit institutions ⁴	45	28	2,104	2,26	4,400

¹ For the most part, consists of full-time personnel plus full-time equivalent of personnel engaged part time in research.

² Includes funds from the Federal Government for the conduct of research and development at research centers administered by organizations in this sector under contract with Federal agencies.

³ Includes all State and local funds, received by public institutions of higher education, which were used for research and development.

⁴ Includes State and local funds, received by such nonprofit institutions as museums, zoological gardens, and academies of science, which are used for research and development.

Source: National Science Foundation; records.

No. 701. EXPENDITURES FOR RESEARCH AND DEVELOPMENT PERFORMED BY PRIVATE INDUSTRIAL FIRMS, BY MAJOR INDUSTRY: 1953 TO 1957

[In millions of dollars. Preliminary 1956 and 1957 figures not directly comparable with those for 1953 to 1956; adjustments would be necessary for the series to be continuous to 1957. Differences in the 2 sets of 1956 figures may, in general, be attributed to differences in methods followed and differences in sample used by the Bureau of Labor Statistics, collecting and compiling agency for the 1953-1956 figures and the Bureau of the Census, the agency for the preliminary 1956-1957 figures. Expenditures include Federal funds for private industry performance of research and development ranging from about 40 percent of total expenditures in 1953 to about 50 percent in 1957.]

INDUSTRY	1953	1954	1955	1956 ¹	1956 ¹ (prel.)	1957 (prel.)
Total.....	3,538	3,950	4,449	6,231	6,018	7,155
Food and kindred products.....	54	58	65	76	58	68
Paper and allied products.....	27	31	33	40	44	50
Chemicals and allied products.....	365	395	429	512	521	596
Petroleum products and extraction ²	146	162	163	201	187	230
Stone, clay, and glass products.....	38	42	45	66	51	61
Primary metal industries.....	60	66	71	88	93	113
Fabricated metal products and ordnance.....	104	109	124	176	122	143
Machinery.....	322	347	434	611	662	688
Electrical equipment.....	682	755	800	1,038	941	1,170
Aircraft and parts.....	758	918	1,170	2,079	2,109	2,544
Professional and scientific instruments.....	172	190	169	221	200	240
Other manufacturing industries ³	586	642	715	846	844	921
Telecommunications and broadcasting.....	113	127	143	171	177	206
Other nonmanufacturing industries.....	110	112	86	107	107	126

¹ See headnote. ² Includes a few companies with relatively small research programs engaged primarily in manufacturing coal products.

³ Includes rubber products, motor-vehicle industry, tobacco manufactures, lumber and wood products, furniture and fixtures, printing and publishing, leather, transportation equipment other than aircraft and motor vehicles, and miscellaneous manufacturing industries. ⁴ Estimated.

Source: National Science Foundation; data from surveys conducted by Bureau of Labor Statistics and Bureau of the Census.

No. 702. SCIENTISTS AND ENGINEERS IN PRIVATE INDUSTRY, BY INDUSTRY AND OCCUPATION: 1957

[For January. Scientists and engineers were defined as all persons engaged in scientific and engineering work at a level which requires a knowledge of physical, natural, or mathematical sciences equivalent at least to that acquired through completion of a 4-year professional college course. Research and development was defined to include basic and applied research in the sciences (including medicine) and in engineering, and design and development of prototypes and processes; excludes quality control, routine product testing, market research, sales promotion, sales service, research in the social sciences and psychology, and other nontechnological activities or technical services]

INDUSTRY	Total	Engi- neers	Chem- ists	Metal- lur- gists	Earth sci- entists	Physi- cists	Math- emati- cians	Life sci- entists	Other sci- entists
ALL SCIENTISTS AND ENGINEERS									
All industries.....	728,400	520,700	71,400	10,700	14,200	11,700	12,200	16,600	171,000
Food and kindred products.....	15,400	5,900	5,200	(2)	(2)	(3)	(2)	2,500	1,400
Chemicals and allied products.....	70,200	32,500	29,400	300	(2)	700	400	7,800	7,800
Petroleum products and extraction.....	50,700	27,000	6,200	(2)	10,700	600	700	800	4,600
Rubber products.....	10,200	6,000	3,400	(2)	(2)	(2)	(2)	(2)	600
Primary metal products.....	28,500	16,000	3,200	4,500	300	(2)	300	(2)	4,700
Fabricated metal products and ordnance.....	30,200	24,300	1,400	600	(2)	(2)	400	(2)	3,100
Machinery.....	74,100	62,500	1,600	1,300	(2)	600	1,200	(2)	6,700
Electrical equipment.....	85,600	60,300	3,300	700	(2)	4,100	2,200	(2)	5,900
Aircraft and parts.....	84,900	66,000	1,600	900	(2)	1,900	2,200	(2)	12,200
Profess. and scientific instruments.....	22,400	15,300	2,400	(2)	300	900	(2)	300	2,900
Other manufacturing industries.....	98,200	73,700	9,500	1,300	(2)	1,400	2,300	1,300	8,500
Nonmanufacturing industries.....	148,100	122,300	4,300	900	2,200	800	2,000	3,100	12,400
RESEARCH AND DEVELOPMENT SCIENTISTS AND ENGINEERS									
All industries.....	222,800	151,300	32,200	4,200	8,900	6,800	4,000	4,900	18,300
Food and kindred products.....	4,800	1,200	2,300	(2)	(2)	(2)	(2)	700	400
Chemicals and allied products.....	24,300	5,600	13,200	(2)	(2)	400	(2)	3,100	1,600
Petroleum products and extraction.....	7,500	3,300	2,800	(2)	400	400	(2)	(2)	500
Rubber products.....	4,500	2,200	1,900	(2)	(2)	(2)	(2)	(2)	300
Primary metal products.....	4,600	1,900	900	1,100	(2)	(2)	(2)	(2)	500
Fabricated metal products and ordnance.....	9,800	8,100	600	(2)	(2)	(2)	(2)	(2)	400
Machinery.....	27,000	22,700	800	500	(2)	400	500	(2)	2,000
Electrical equipment.....	35,400	28,200	1,700	500	(2)	2,000	900	(2)	2,000
Aircraft and parts.....	56,700	44,800	1,100	600	(2)	1,500	1,600	(2)	7,100
Profess. and scientific instruments.....	10,600	6,800	1,500	(2)	(2)	700	(2)	(2)	1,200
Other manufacturing industries.....	24,300	17,300	4,000	500	(2)	500	(2)	300	1,500
Nonmanufacturing industries.....	13,500	9,100	1,300	500	(2)	700	(2)	400	1,000

¹ Includes 58,000 administrators.

² Less than 300.

³ Small number employed reflects the exclusion of exploration from research and development under survey definition. ⁴ Includes 15,000 administrators.

Source: National Science Foundation; data from a survey conducted by Bureau of Labor Statistics.

No. 703. PATENT APPLICATIONS AND PATENTS AND CERTIFICATES OF TRADE-MARKS: 1921 TO 1958

[Data comprise patents issued to citizens of United States and residents of foreign countries. On July 1, 1940, jurisdiction of prints and labels was transferred to the Copyright Office, Library of Congress, and data concerning them are compiled by that organization. For information on copyrights, see table 674, p. 624. See also *Historical Statistics, 1789-1945*, series P 176-187.]

CALENDAR YEAR OR PERIOD	Patent applications ¹	PATENTS ISSUED					CERTIFICATES OF TRADE-MARKS ISSUED		
		Total	Patents	Plant patents	Designs	Reis- sues	Total ²	Trade- marks	Trade- mark renew- als
1921-1925	428,591	217,525	203,977	-----	12,326	1,222	72,159	68,881	3,278
1926-1930	459,904	234,857	219,334	-----	13,796	1,677	84,265	71,469	12,795
1931-1935	342,861	256,219	239,092	161	15,079	1,887	61,652	52,482	9,220
1936-1940	359,544	229,514	200,902	275	26,458	1,879	61,117	52,709	8,408
1941-1945	294,273	184,573	164,438	229	18,883	1,023	52,203	34,447	17,756
1946-1950	400,342	163,122	144,160	335	18,018	609	86,664	61,372	24,282
1951-1955	379,053	200,215	192,898	441	15,086	790	100,971	83,340	17,631
1956	74,295	48,009	43,072	90	4,718	120	20,303	16,828	3,564
1957	64,049	47,719	44,363	58	4,164	134	20,730	17,380	3,350
1958	68,384	46,890	43,667	101	2,989	163	19,598	16,170	3,419
1959	79,486	43,459	40,516	78	2,714	151	18,720	15,617	3,103
1960	82,968	36,664	33,872	101	2,536	155	19,443	16,062	3,491
1961	83,200	33,483	30,480	103	2,713	187	22,480	18,212	4,268
1962	80,035	50,085	46,849	101	2,977	158	24,515	20,759	3,756
1963	79,242	45,446	42,805	129	2,362	150	20,977	17,480	3,488
1964	82,804	51,072	48,406	120	2,375	171	18,425	16,355	3,070

¹ Comprises applications for patents for inventions, designs, and reissues of patents. Includes applications without fees.

² Beginning 1947, excludes trade-mark republications (under Trade-Mark Act of 1946) of trade-marks registered under prior acts.

³ Data for year 1925.

⁴ Because of change in reporting base, 1953 figures include applications received from Dec. 24, 1952, through Dec. 31, 1953.

Source: Department of Commerce, United States Patent Office; records. Fiscal-year figures published in *Annual Report of the Secretary of Commerce*.

No. 704. ATOMIC ENERGY PROGRAM—APPROPRIATIONS, INVESTMENTS, COSTS, AND EMPLOYMENT: 1950 TO 1958

[Money figures are in millions of dollars. For years ending June 30.]

ITEM	1950	1953	1954	1955	1956	1957	1958
Appropriations received	703	4,136	1,042	1,210	834	1,899	2,334
Operations		809	886	1,099	1,146	1,741	2,225
Plant and equipment		3,327	158	111	158	158	109
Plant investment, year end	2,104	4,579	5,705	6,487	6,713	6,908	7,111
Completed plant	1,809	3,149	4,090	5,858	6,466	6,507	6,840
Production plants	1,251	2,118	2,953	4,654	5,250	5,434	5,536
Research facilities	184	648	616	698	716	752	897
Communities	262	298	300	299	299	287	229
Other	112	185	216	206	201	144	178
Construction in progress	295	1,430	1,615	620	247	311	271
Cost of operations ¹	415	905	1,039	1,290	1,608	1,918	2,299
Procurement and production of nuclear materials		169	400	552	782	1,010	1,161
Weapons development and fabrication	112	268	251	260	281	337	444
Development of nuclear reactors	31	105	100	120	170	264	287
Controlled thermonuclear research	(4)	(3)	(3)	4	6	11	19
Research in physical sciences	31	42	43	44	51	59	69
Research in life sciences	19	27	27	29	30	33	38
Community operations (net)	20	15	12	10	9	9	11
Administrative expenses	28	36	38	34	38	38	47
Other	10	22	19	7	13	16	24
Employment	63,739	148,799	141,949	112,555	110,143	119,368	120,973
Federal Government	4,941	6,894	6,123	6,013	6,583	6,923	7,021
Contractor operating	38,095	71,775	78,312	82,036	90,238	98,176	103,290
Contractor construction and design	19,703	70,180	62,514	23,006	13,322	14,369	10,662

¹ Reflects transfer to operations of \$571 million appropriated in prior years for plant and equipment.

² Includes depreciation. ³ Not available.

Source: Atomic Energy Commission; *Annual Financial Report*.

No. 705. ATOMIC ENERGY PROGRAM—SUMMARY: 1950 TO 1958

[For years ending June 30, except as noted]

ITEM	1950	1953	1954	1955	1956	1957	1958
Operating contractors ¹	34	62	61	64	68	72	84
Construction and design contractors ^{1,2}	28	30	22	18	25	20	38
Offsite research contracts with educational, medical, and other nonprofit institutions:							
Number of institutions	100	172	171	187	192	203	225
Number of contracts	251	624	618	731	771	817	882
Nuclear reactors in U.S.: ²							
Federally owned	13	26	31	37	43	53	64
Production reactors	5	7	10	13	13	13	13
Reactors for research	7	15	18	21	21	27	32
Experimental civilian power reactors	1	3	2	4	4	7	6
Military reactors	1	1	3	5	6	6	13
Nonfederally owned			1	2	4	17	27
Power reactors		1	1	2	4	1	1
Reactors for research					4	16	20
Licenses in effect: ²							
Power reactors:							
Construction permits					4	4	4
Licenses to operate						1	1
Research reactors:							
Construction permits					4	2	10
Licenses to operate				2	6	10	31
Test reactors: Construction permits						1	3
Critical experiment facilities:							
Construction permits					2	4	2
Licenses to operate						6	10
Operators' licenses					3	27	148
Licenses to possess special nuclear materials					7	51	354
Licenses to possess source materials	3,647	(4)	3,1,087	3,1,763	3,1,523	3,1,150	1,412
Licenses to export reactors issued						1	15
Source material export licenses issued		(4)		641	715	740	800
Organizations with byproduct (radioisotope) licenses ^{2,3}	614	1,905	2,416	3,016	3,663	3,302	4,857
Medical institutions and physicians	206	651	870	1,173	1,533	1,598	1,900
Industrial concerns	206	703	1,020	1,266	1,493	1,221	1,398
Colleges and universities	123	198	212	227	248	229	251
Federal and State laboratories	49	201	237	258	289	269	690
Foundations and institutions	29	47	53	57	62	41	49
Other	1	15	24	35	45	34	69
Radioisotopes: ⁴							
Sales	\$1,000	222	856	1,173	1,295	2,198	2,060
Shipments by ORNL ²		7,095	12,036	12,685	12,749	13,555	14,126
Curies shipped by ORNL ²		1,111	7,266	28,879	40,383	109,500	166,652
Shipments to foreign countries ²		290	718	772	787	1,293	2,865
Access permits in effect ²					602	1,145	1,404
Agreements in effect for foreign cooperation ²					22	32	39
Power agreements					3	4	10
Research agreements					19	28	29
Sales of heavy water tons			1			90	78
Uranium statistics (U. S.):							95
Concentrate receipts tons of U ₃ O ₈						10,435	16,159
From domestic sources do						4,200	7,584
From foreign sources do						6,235	8,575
Estimated uranium ore reserves ² 1,000 tons						60,000	78,000
Uranium ore milling capacity ² tons per day						8,980	11,000

¹ Represents those whose employment plus first-tier subcontractor employment totals 50 or more; operating contractors comprise those engaged in production, research and development, maintenance, and service; excludes supply contractors.

² As of December 31.

³ Number of licenses issued.

⁴ Not available.

⁵ Beginning 1957, data include only parent organizations, which are issued single basic licenses. Subordinate organizations at various locations included for prior years.

⁶ The Oak Ridge National Laboratory is the AEC's principal distributor of radioisotopes. Sales are made by ORNL, other AEC laboratories, and by commercial suppliers. Sales figures include sales made to commercial suppliers but not by them. Shipments to foreign countries are comprised of shipments made by AEC laboratories and by commercial suppliers.

Source: Atomic Energy Commission: *Semiannual Report*, and records.

No. 706. ARTIFICIAL SATELLITES, LUNAR PROBES, AND SPACE PROBES LAUNCHED: 1957 TO 1959

[Excludes projects which are primarily military in nature]

NAME	Description	Launching date and lifetime ¹	Dimensions ² (inches)	Weight ³ (pounds)	Inclination to Equator	Apsenee (miles)
U.S. LAUNCHING			Total payload ⁴	Scientific instrumentation		
Vanguard	Satellite	Dec. 6, 1957—0—	6D	3.4	(*)	
Explorer I	Satellite	Jan. 31, 1958 (3-5 yrs.)	80L-6D	18.13	33.34°	224
Vanguard	Satellite	Feb. 5, 1958—0—	6D	3.4	(*)	1,773
Explorer II	Satellite	Mar. 5, 1958—0—	80L-6D	18.83		
Vanguard	Satellite	Mar. 17, 1958 (200+1,000 yrs.)	6,4D	3.25	(*)	
Explorer III	Satellite	Mar. 26, 1958 (June 27, 1958)	80L-6D	31.0	34.95°	409
Vanguard	Satellite	Apr. 25, 1958—0—	20D	21.5	(*)	2,453
Vanguard	Satellite	May 27, 1958—0—	20D	21.5	(*)	1,746
Vanguard	Satellite	June 26, 1958—0—	20D	21.5	(*)	
Explorer IV	Satellite	July 26, 1958 (1 yr.)	80, 30L-6-25D	25.8	50.29°	163
Vanguard	Lunar probe	Aug. 17, 1958 (0—)	30L-29D	25	(*)	1,380
Explorer V	Satellite	Aug. 24, 1958—0—	80L-6D	38.43	25.8	
Vanguard	Satellite	Sept. 26, 1958—0—	20D	21.5	(*)	
Pioneer I	Lunar probe	Oct. 11, 1958 (43 hrs.)	30L-29D	78.4	39	(*)
Pioneer II	Lunar satellite	Oct. 23, 1958—0—	50L-7D	18.3		
Pioneer III	Lunar probe	Nov. 8, 1958 (52 min.)	30L-29D	36.4	34.3	(*)
Project Score (Atlas)	Space probe	Dec. 6, 1958 (38 hrs.)	23L-10D	12.95	(*)	(*)
Vanguard II	Satellite	Dec. 18, 1958 (Jan. 21, 1959)	85L-10D	150	32.3°	920
Pioneer IV	Lunar probe	Feb. 17, 1959 (10 yrs. or more)	20D	20.74	(*)	
Vanguard III	Satellite	Mar. 3, 1959 u	20L-6D	13.40	(*)	
U.S.S.R. LAUNCHINGS ¹³						
Sputnik I	Satellite	Oct. 4, 1957-Jan. 4, 1958	22.8D	8,000	184	65°
Sputnik II	Satellite	Nov. 3, 1957-Apr. 14, 1958	(14)	8,000	1,120	65°
Sputnik III	Satellite	May 15, 1958 (15 mos.)	(15)	7,000	2,925	65.3°
Lunaik or Mechaika	Space probe	Jan. 2, 1959 u	(14)	3,245	(4)	135

¹ Zero represents unsuccessful launching.² D = diameter; L = length.³ Total weight of instrument without rockets.⁴ Not available.⁵ Includes fourth stage shell.⁶ Altitude, 40,000 to 70,000 feet.⁷ Includes 43.7 pounds of vaniers and retro-rockets.⁸ Altitude, about 70,700 miles.⁹ Altitude, 965 miles.¹⁰ Altitude, 63,580 miles.¹¹ Dimensions in feet.¹² In orbit around sun.¹³ Unofficial information.¹⁴ Not disclosed.¹⁵ 11.1 feet 9 inches long; 5 feet 8 inches at base.¹⁶ Believed to be in orbit around sun.

Sources: National Aeronautics and Space Administration; records.

Section 20

Roads and Motor Vehicles

This section presents statistics relating to the mileage, control, and financing of public roads and to motor-vehicle travel and usage. The Bureau of Public Roads of the Department of Commerce is the principal compiler of data concerning public roads and motor-vehicle registrations. Since 1945, it has published such data in its annual *Highway Statistics*. For statistics prior to 1945, the same Bureau's *Highway Statistics, Summary to 1945*, presents public roads data carried back over periods ranging from 20 to 50 years. The motor-vehicle registration figures which appear in *Highway Statistics* are compiled from reports and records of State highway departments.

The first road mileage survey was made in 1904. Data for 1904 and other road mileage surveys made in 1909, 1914, and 1921 appear in Department of Agriculture Bulletin 1279, *Rural Highway Mileage, Income, and Expenditures, 1921-22*.

Useful annual handbooks in this field are *Automobile Facts and Figures* and *Motor Truck Facts*, both issued by the Automobile Manufacturers Association of Detroit, Mich.; and *Accident Facts*, issued by the National Safety Council of Chicago, Ill. In addition, the Bureau of the Census compiles and publishes statistics on the motor vehicles and equipment industry which appear in the *Census of Manufactures* reports and in its *Annual Survey of Manufactures*. Data from these reports are also included in section 30, Manufactures, in this volume.

Rural and other roads.—The term "rural" as used here may be roughly defined as the area which lies outside of communities having 2,500 inhabitants or more. "Urban extensions" are continuations of designated State-system roads in or through cities or towns of 2,500 inhabitants or more. "County and other local roads" are rural roads over which the State exercises no direct control.

Highway systems.—The Federal-Aid Highway Act of 1916 provides for the sharing of highway construction costs between the States and the Federal Government with the initiative retained by each State for choosing projects and carrying them out. The planning and development of Federal-aid systems began in 1921. Federal funds share with State funds in costs of engineering, construction, and right-of-way acquisition on the designated systems while other charges, such as maintenance and policing, are borne entirely by the States and local agencies.

The Federal-aid primary system connects all of the principal cities, county seats, ports, manufacturing areas, and other traffic generating areas. In general, these are at the same time the main State trunkline roads. Certain sections of the primary system are more important than others from the viewpoint of national interest. Consequently, in 1944, the Congress authorized the creation of the national system of interstate highways, not to exceed 40,000 miles in length. In 1956 Congress extended the system to 41,000 miles and authorized for the first time a long-range program to complete the system. Federal funds of \$25 billion, providing 90 percent of the total estimated cost, are authorized for the fiscal years 1957 to 1969.

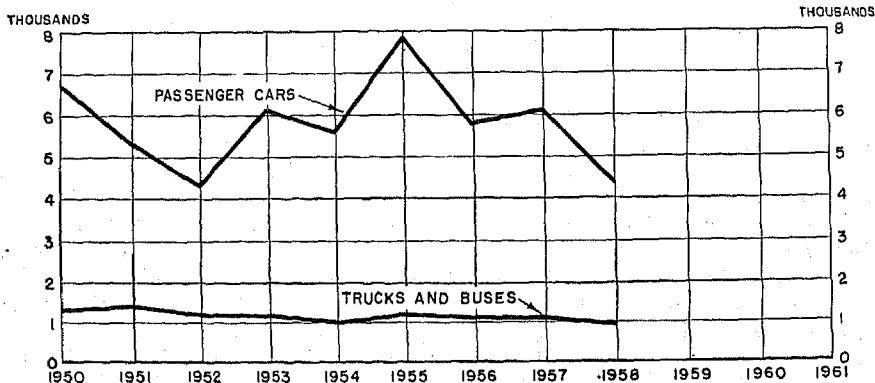
The Federal-Aid Highway Act of 1944 authorized the first specific funds for Federal-aid highways in urban areas, and established the Federal-aid secondary system, consisting of important feeder roads linking the farms, factories, distribution outlets, and smaller communities with the primary system.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, 1789-1945*, series K 177-181") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*, and its *Continuation to 1952*. See preface.

Note.—This section presents data for the most recent year or period available on April 22, 1959, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

FIG. XXXII. MOTOR-VEHICLE FACTORY SALES: 1950 TO 1958

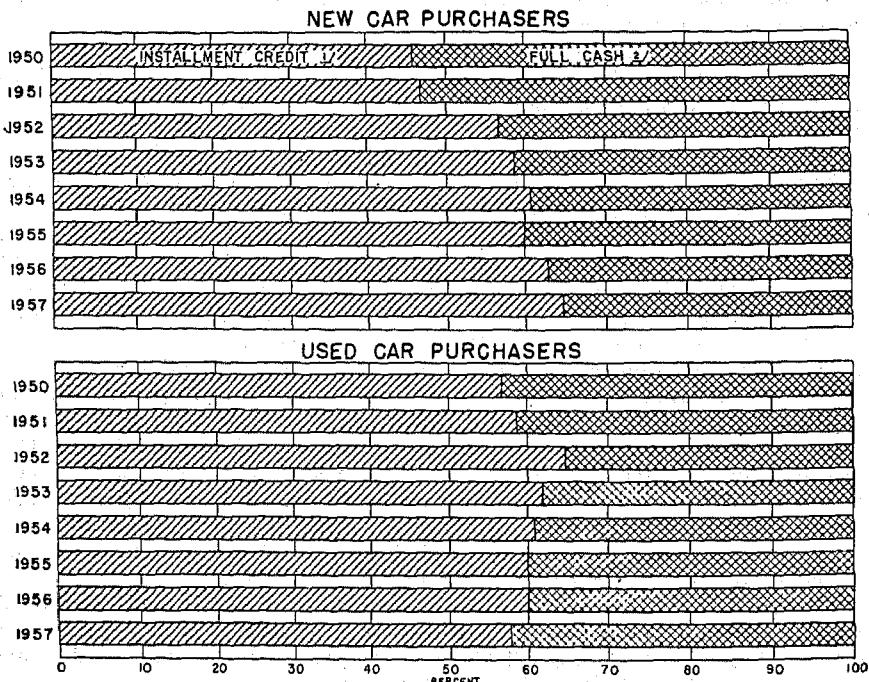
[See table 724]



Source: Chart prepared by Department of Commerce, Bureau of the Census. Data are from Automobile Manufacturers Association.

FIG. XXXIII. PERCENT DISTRIBUTION OF PASSENGER CAR PURCHASERS, BY METHOD OF FINANCING OF PURCHASE: 1950 TO 1957

[See table 727]

¹ Includes other types of borrowing.² Includes trade-in allowance; also includes purchases for which method of financing was not ascertained.

Source: Chart prepared by Department of Commerce, Bureau of the Census. Data are from Board of Governors of the Federal Reserve System.

EXISTING MILEAGE—CONSTRUCTION

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No. 707. EXISTING MILEAGE OF RURAL ROADS: 1921 TO 1957

[In thousands of miles. As of December 31. Rural roads comprise roads outside incorporated areas and certain of the more populous unincorporated areas. See also *Historical Statistics, 1789-1945*, series K 177-181]

TYPE AND CONTROL	1921	1930	1940	1945	1950	1954	1955	1956	1957
All rural roads.....	2,925	3,009	2,990	3,012	2,990	3,030	3,045	3,051	3,064
Primary State highways.....				329	339	303	379	387	389
Secondary State highways.....	203	324		{ 81	84	88	90	91	94
County roads under State control.....				114	118	122	120	131	132
County and local roads ¹	2,722	2,685	2,466	2,471	2,417	2,433	2,436	2,436	2,441
Surfaced rural roads.....	387	694	1,340	1,495	1,679	1,906	1,942	1,985	2,021
Primary State highways.....			302	316	351	372	381	384	386
Secondary State highways.....	84	227		{ 65	71	78	82	84	87
County roads under State control.....				55	63	83	100	103	105
County and local roads ¹	803	467	918	1,045	1,172	1,352	1,374	1,408	1,438
Nonsurfaced rural roads ²	2,538	2,315	1,650	1,517	1,311	1,124	1,103	1,066	1,043
Primary State highways.....			27	23	19	7	6	5	5
Secondary State highways.....	119	97		{ 16	13	15	7	7	7
County roads under State control.....				59	65	89	29	28	27
County and local roads ^{1,2}	2,419	2,218	1,548	1,426	1,246	1,081	1,062	1,027	1,003

¹ Includes mileage in national and State parks, forests, reservations, etc., not included as part of State or local systems.

² Includes mileage not classified by type of surface.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 708. EXISTING RURAL AND MUNICIPAL MILEAGE, BY GOVERNMENTAL CONTROL: 1930 TO 1957

[In thousands. As of December 31]

GOVERNMENTAL CONTROL	1930	1940	1945	1950	1954	1955	1956	1957
Total mileage.....			3,819	3,313	3,395	3,418	3,430	3,453
Rural mileage.....	3,009	2,990	3,012	2,990	3,030	3,045	3,051	3,064
Under State control.....	324	524	544	581	607	610	628	636
Under local control.....	2,685	2,466	{ 2,308	2,336	2,331	2,383	2,330	2,329
Under Federal control.....			{ 70	73	92	93	94	99
Municipal mileage.....	(1)		807	823	365	373	378	380
Under State control.....	(1)	27	33	36	41	42	43	45
Under local control.....	(1)	(1)	274	287	824	331	335	344

¹ Not available.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 709. HIGHWAY CONSTRUCTION—CONTRACTS AWARDED, BY OWNERSHIP, SOURCE OF FUNDS, AND TYPE OF FACILITY: 1947 TO 1958

[In millions of dollars. Includes force-account work started on Federal and State projects]

OWNERSHIP, SOURCE OF FUNDS, AND TYPE OF FACILITY	1947	1950	1952	1953	1954	1955	1956	1957	1958
All construction.....	1,108	1,816	2,088	2,713	2,746	2,993	3,303	3,917	4,585
Federally owned.....	25	36	90	53	62	59	92	92	96
State owned.....	892	1,492	1,654	2,287	2,300	2,560	2,718	3,311	3,996
Federally aided projects:									
Total value.....	635	798	911	908	1,218	1,256	1,737	2,390	3,489
Federal funds.....	320	415	476	519	630	607	963	1,614	2,504
Independent State projects:									
Total value.....	257	604	743	1,289	1,082	1,304	981	921	507
Toll facilities.....	(1)	228	146	800	459	895	337	343	44
Locally owned ¹	191	289	344	373	384	374	403	514	404

¹ Not available.

² By municipalities and counties.

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Business and Defense Services Administration; *Construction Review* (a joint publication).

No. 710. EXISTING ROAD MILEAGE—MUNICIPAL MILEAGE, AND RURAL MILEAGE,
BY TYPE AND GOVERNMENTAL CONTROL, BY STATES: 1957

[of December 31. Rural roads comprise roads outside incorporated areas and certain of the more populous unincorporated areas. Compiled for latest available year from reports of State authorities and planning survey data]

STATE	Total rural and municipal	Munic- ipal	RURAL				
			Total	Type		Governmental control	
				Surfaced	Nonsur- faced	State ¹	Local
Cont. U. S.	3,453,118	389,195	3,063,923	2,021,309	1,042,614	636,416	2,328,987
Alabama	70,797	8,637	62,160	47,750	14,410	³ 16,053	46,107
Arizona	32,056	2,193	29,863	12,361	17,502	4,109	16,655
Arkansas	78,658	5,367	73,286	40,692	32,594	9,455	62,189
California	138,759	27,938	110,823	70,351	40,472	13,223	76,980
Colorado	76,248	4,768	71,485	29,593	41,880	7,810	62,497
Connecticut	15,808	5,068	10,800	10,542	258	2,676	8,124
Delaware	4,528	650	3,878	3,285	503	³ 3,878	-----
District of Columbia	1,260	1,260	-----	-----	-----	-----	-----
Florida	62,410	14,474	47,935	26,014	21,922	12,274	35,662
Georgia	95,964	12,726	83,238	37,173	40,005	13,506	69,705
Idaho	42,435	2,296	40,139	22,821	17,818	4,490	27,051
Illinois	123,234	20,886	102,348	92,964	9,984	10,581	⁴ 91,707
Indiana	99,563	13,900	85,965	76,550	9,413	10,002	75,961
Iowa	112,002	11,820	100,182	86,008	13,514	8,711	91,471
Kansas	133,005	8,300	124,705	66,320	58,885	9,852	114,841
Kentucky	63,256	3,435	59,821	40,413	19,408	18,683	40,874
Louisiana	46,900	7,519	39,581	28,980	10,592	³ 14,046	25,535
Maine	20,786	1,709	18,987	16,178	2,809	³ 10,809	8,080
Maryland	20,962	3,163	17,799	17,102	637	4,460	13,320
Massachusetts	25,662	9,557	16,105	14,500	1,545	1,992	14,113
Michigan	109,140	15,618	93,522	73,211	20,311	8,288	85,234
Minnesota	122,719	12,903	109,816	89,014	19,902	11,473	96,890
Mississippi	64,291	4,290	59,992	42,284	17,708	9,613	50,262
Missouri	110,583	12,101	98,482	85,241	13,241	25,652	72,283
Montana	74,820	1,574	73,246	23,407	49,839	10,606	55,193
Nebraska	103,009	5,601	97,318	46,034	50,684	8,918	88,138
Nevada	31,541	685	30,856	7,390	23,480	³ 5,904	24,862
New Hampshire	13,820	1,323	12,497	9,584	2,913	3,744	8,687
New Jersey	29,947	11,904	17,443	14,117	3,326	2,065	15,378
New Mexico	68,905	2,406	61,499	12,188	49,311	11,209	45,682
New York	105,566	17,822	87,744	73,541	14,203	³ 13,291	74,443
North Carolina	78,991	9,704	69,197	57,471	11,726	⁴ 67,946	1,251
North Dakota	114,590	2,456	112,134	46,646	65,488	6,230	105,342
Ohio	99,901	16,747	83,244	81,218	2,026	16,022	87,222
Oklahoma	101,490	7,939	93,500	51,482	42,128	10,737	82,291
Oregon	64,435	5,143	59,202	35,122	24,170	8,017	31,015
Pennsylvania	107,604	15,786	91,908	66,789	25,119	42,890	48,710
Rhode Island	4,167	2,362	1,805	1,681	124	703	1,102
South Carolina	54,648	5,029	49,614	25,811	23,803	23,850	25,764
South Dakota	92,465	2,678	89,787	45,206	44,491	6,709	81,859
Tennessee	70,505	5,080	65,425	60,635	4,790	7,994	56,748
Texas	228,154	33,005	195,149	110,437	84,712	49,962	143,187
Utah	31,653	3,681	27,972	13,761	14,211	4,959	16,938
Vermont	13,793	844	12,949	10,403	2,546	1,901	⁴ 10,985
Virginia	55,895	5,534	50,361	48,118	2,243	³ 48,024	634
Washington	58,007	6,716	51,951	39,189	12,762	6,253	37,845
West Virginia	26,088	2,986	33,102	20,297	12,805	30,908	1,682
Wisconsin	97,307	10,919	86,388	78,813	7,575	10,163	75,956
Wyoming	49,502	931	48,571	10,884	37,687	4,995	41,214

¹ Includes 13,467 miles of State park, forest, institutional, and other roads, rural and municipal, that are not part of State or local highway systems. Also includes 2,816 miles of toll roads.

² Comprises mileage of roads not forming a part of State or local highway systems.

³ Includes mileage of county roads under State control in Alabama (8 counties), Delaware, Nevada (390 miles), North Carolina, Virginia (all but 2 counties), and West Virginia; 6,451 miles designated as farm-to-market system in Louisiana; and the State-aid system in Maine.

⁴ Includes mileage of local roads designated as State aid in Illinois, 18,273 miles; Minnesota, 16,209 miles; and Vermont, 2,467 miles.

FEDERAL-AID HIGHWAY SYSTEMS

549

No. 711. MILEAGE AND COST OF DESIGNATED FEDERAL-AID HIGHWAY SYSTEMS
1917 TO 1957[Includes Hawaii and Puerto Rico and beginning 1957, Alaska. See also *Historical Statistics, 1789-1948*, series K 189-191b]

YEAR	MILES OF HIGHWAY		COST (\$1,000) ¹	
	Total existent ²	Completed during year ³	Total	Federal funds
1917-1921		12,919	221,740	95,054
1925	178,797	11,001	220,921	100,030
1930	193,049	10,339	236,520	99,830
1935	214,000	12,811	242,420	218,112
1940	234,112	11,540	269,216	149,724
1945	232,772	8,038	101,037	76,485
1950	640,753	10,876	753,109	380,578
1951	651,826	17,000	771,708	380,564
1952	673,137	22,147	977,548	505,444
1953	694,677	21,136	1,077,733	558,013
1954	717,379	20,548	1,146,419	591,202
1955	741,824	22,571	1,287,364	665,913
1956	777,514	23,609	1,444,050	756,926
1957	809,672	22,424	1,714,240	908,564

¹ Total existing mileage of Federal-aid primary system through 1945; beginning 1950 includes secondary system. Data as of June 30 through 1955, as of December 31 beginning 1950.² Comprises construction and reconstruction mileage.³ Represents actual expenditures of funds on calendar-year basis. Beginning 1935, includes money spent on public works and defense highways. Beginning 1940, includes secondary highways.Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*, and *Annual Report, 1958*.

No. 712. MILEAGE OF DESIGNATED FEDERAL-AID HIGHWAY SYSTEMS, BY STATES AND FOR PUERTO RICO: 1957

[In miles. As of December 31. See text, p. 545]

STATE OR OTHER AREA	PRIMARY HIGH-WAY SYSTEM		STATE OR OTHER AREA	PRIMARY HIGH-WAY SYSTEM		Secondary highway system
	Total miles	National system of interstate highways		Total miles	National system of interstate highways	
Cont. U. S.	253,292	39,223	548,360	Nebraska	5,860	488
Alabama	6,294	870	18,450	Nevada	2,198	540
Arizona	2,648	1,161	3,883	New Hampshire	1,200	215
Arkansas	3,637	523	13,064	New Jersey	2,046	369
California	7,506	2,148	10,680	New Mexico	4,045	1,003
Colorado	4,285	676	4,038	New York	10,349	1,199
Connecticut	1,265	276	1,166	North Carolina	6,879	678
Delaware	568	38	1,419	North Dakota	3,080	565
District of Columbia	141	20	70	Ohio	7,633	1,344
Florida	5,426	1,105	13,048	Oklahoma	8,228	792
Georgia	8,666	1,112	13,308	Oregon	4,058	715
Idaho	3,150	611	4,780	Pennsylvania	8,621	1,557
Illinois	10,605	1,608	11,947	Rhode Island	467	71
Indiana	5,475	1,000	16,007	South Carolina	4,745	679
Iowa	10,267	710	33,140	South Dakota	0,069	679
Kansas	7,027	803	22,070	Tennessee	5,450	903
Kentucky	4,448	604	15,245	Texas	17,124	3,034
Louisiana	3,318	595	7,730	Utah	2,296	739
Maine	1,932	313	2,296	Vermont	1,581	821
Maryland	2,136	354	6,141	Virginia	5,458	906
Massachusetts	2,293	450	2,213	Washington	3,746	617
Michigan	7,140	1,064	24,794	West Virginia	2,611	229
Minnesota	8,870	888	19,403	Wisconsin	6,393	452
Mississippi	5,816	674	13,555	Wyoming	3,637	931
Missouri	9,068	1,102	22,123	Alaska	1,953	3245
Montana	5,930	1,236	4,875	Hawaii	532	649
				Puerto Rico	550	1,085

Source: Department of Commerce, Bureau of Public Roads; *Annual Report, 1958*.

ROADS AND MOTOR VEHICLES

No. 713. FEDERAL-AID HIGHWAY PROJECTS, BY STATES AND FOR PUERTO RICO: 1958

[Money figures in thousands of dollars. As of June 30. Comprises projects financed from Federal-aid primary, secondary, urban, and interstate; Defense Highway Act; and 1950 access funds]

STATE OR OTHER AREA	COMPLETED DURING FISCAL YEAR			UNDER CONSTRUCTION			PLANS APPROVED—NOT UNDER CONSTRUCTION			Federal-aid funds available for future projects
	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	Total cost	Federal funds	Miles	
Total	1,915,685	1,1235,79	23,137	5,274,550	3,578,457	26,855	1,314,513	919,995	6,566	1,336,040
Cont. U. S.	1,904,309	1,117,287	22,906	5,234,477	3,554,361	26,451	1,299,062	910,952	6,417	1,318,109
N. E.	116,434	65,190	369	294,695	210,280	395	81,150	50,809	82	101,017
Maine	22,138	12,449	177	30,286	21,645	110	3,618	2,786	16	21,937
N. H.	11,781	6,728	61	28,703	20,094	78	1,881	1,190	7	8,076
Vt.	7,507	3,881	47	23,456	16,741	67	10,046	8,693	11	5,782
Mass.	48,287	24,412	48	125,251	88,834	72	41,727	28,320	31	25,786
R. I.	21,040	12,884	23	31,494	24,163	27	4,646	2,235	2	7,993
Conn.	5,585	2,836	13	55,505	38,908	41	19,232	12,585	15	31,433
M. A.	205,747	109,624	688	948,728	628,680	937	252,651	172,391	323	234,973
N. Y.	108,506	52,602	393	568,345	368,335	458	103,588	71,549	129	89,102
N. J.	18,064	9,283	35	108,496	78,417	62	22,196	14,346	32	67,603
Pa.	81,087	47,049	260	271,887	181,928	417	126,367	86,496	178,173	
E. N. C.	340,409	203,654	2,495	863,336	619,436	2,704	217,443	148,254	925	192,593
Ohio	97,733	64,006	153	299,498	217,012	390	33,267	24,927	80	16,072
Ind.	24,686	13,869	187	75,549	47,947	394	60,697	38,298	320	64,138
Ill.	78,407	44,179	742	256,160	190,205	839	67,441	46,293	150	27,331
Mich.	91,448	57,442	811	150,557	107,814	502	38,523	26,417	207	28,226
Wis.	47,936	24,158	602	81,577	56,308	579	17,515	12,819	168	55,826
W. N. C.	310,320	184,930	8,770	545,543	382,315	8,525	124,078	88,380	1,413	181,377
Minn.	36,515	19,498	1,422	114,908	83,403	1,573	24,079	15,918	243	40,476
Iowa	52,445	30,788	1,418	78,582	55,772	1,271	25,776	17,603	238	14,124
Mo.	99,789	64,668	1,523	130,941	98,080	963	21,759	17,465	43	28,141
N. Dak.	20,026	16,928	1,418	43,345	31,209	1,378	9,824	6,432	236	14,185
S. Dak.	22,044	13,310	992	26,883	20,124	609	6,140	3,790	222	10,314
Nebr.	25,592	14,004	677	70,818	44,839	1,316	11,181	8,664	78	52,770
Kans.	45,010	25,734	1,320	71,671	48,708	1,415	24,719	18,518	203	25,367
S. A.	217,285	121,718	2,276	673,883	464,832	4,007	172,092	118,631	1,034	154,534
Del.	9,967	4,961	59	25,836	18,098	71	3,108	2,385	9	13,105
Md.	25,916	15,193	135	80,531	59,736	186	29,484	16,716	57	3,221
Dist. of Col.	8,111	3,117	6	20,305	22,101	4	8,652	6,089	6	13,501
Va.	35,252	18,796	417	104,213	70,016	335	16,839	12,968	204	10,892
W. Va.	12,894	6,678	59	44,178	26,808	83	12,397	8,887	118	30,303
N. C.	48,034	27,737	574	97,916	65,802	904	27,085	18,582	264	65,373
S. C.	19,379	12,084	453	68,451	46,699	1,038	22,615	17,971	138	8,006
Ga.	28,184	17,114	330	127,988	85,976	1,075	22,330	17,627	85	10,902
Fla.	31,573	16,043	243	85,405	65,538	311	28,682	17,406	153	6,801
E. S. C.	116,479	63,919	2,145	396,779	268,481	3,096	80,446	55,920	600	101,320
Ky.	26,189	18,969	279	80,832	58,282	287	18,061	13,385	44	43,312
Tenn.	31,005	17,318	503	130,957	85,106	771	29,721	22,260	163	28,728
Ala.	41,435	23,582	775	96,976	64,693	1,046	20,570	12,984	233	16,628
Miss.	17,850	9,050	583	87,814	62,310	992	12,085	7,291	160	12,652
W. S. C.	227,095	132,920	2,663	436,712	308,882	3,501	197,454	144,675	1,212	105,206
Ark.	24,876	12,790	477	52,579	38,005	445	25,021	19,192	264	11,903
La.	9,247	5,396	63	74,379	47,073	402	65,118	44,204	305	16,218
Okla.	48,006	27,305	478	70,848	48,954	650	43,930	34,907	186	11,426
Tex.	144,966	87,429	1,845	238,906	174,850	2,004	63,385	46,252	457	45,062
Mt.	176,436	123,878	2,262	346,905	281,062	2,267	48,422	40,240	443	198,080
Mont.	26,303	16,818	428	54,245	41,185	467	8,430	6,170	100	69,637
Idaho	12,700	8,159	230	30,625	22,456	294	5,515	5,034	36	34,643
Wyo.	18,474	12,113	303	50,208	42,151	347	4,260	3,582	56	8,336
Colo.	36,210	22,888	364	60,953	44,348	276	4,800	3,076	28	37,029
N. Mex.	33,616	26,203	268	47,702	30,401	316	7,453	6,415	69	9,038
Ariz.	19,433	14,924	237	39,353	34,622	176	10,288	9,338	76	12,621
Utah	14,833	11,083	200	31,185	27,108	173	6,081	5,198	41	7,025
Nev.	14,787	12,192	218	32,544	29,701	218	1,595	1,418	37	20,851
Pac.	194,104	113,454	1,038	728,096	590,393	1,019	125,326	91,652	885	39,006
Wash.	47,905	28,529	466	84,671	65,000	374	17,271	11,514	163	8,886
Oreg.	38,108	25,742	289	47,608	38,111	275	21,160	17,198	115	16,383
Calif.	103,031	59,183	283	505,759	287,282	370	86,806	62,940	107	13,767
Alaska	1,481	1,481	206	12,902	11,396	381	2,044	2,026	126	7,795
Hawaii	4,507	2,192	8	3,866	1,875	5	3,272	2,009	9	3,063
P. R.	5,388	2,610	17	23,305	10,825	68	9,535	5,008	14	7,073

Source: Department of Commerce, Bureau of Public Roads; *Annual Report, 1958*.

RECEIPTS AND DISBURSEMENTS

551

No. 714. HIGHWAY AND STREET RECEIPTS AND DISBURSEMENTS: 1940 TO 1959

[In millions of dollars. Figures cover continental U.S. Federal and State data are for calendar years; local data for varying fiscal years]

SOURCE AND PURPOSE	1940	1945	1950	1955	1956	1957	1958 (prel.)	1959 (est.)
SOURCE OF RECEIPTS								
Total receipts.....	2,634	1,918	4,559	7,333	8,217	8,601	9,801	10,773
Federal funds.....								
Highway-user imposts.....	773	83	471	779	882	1,426	2,275	2,985
Toll receipts.....	(1)	1,098	2,295	3,688	3,967	4,125	4,169	4,353
Property taxes and general revenues.....	(1)	59	115	270	316	359	402	450
Miscellaneous.....	(1)	684	920	1,281	1,398	1,368	1,418	1,460
Bond issue proceeds.....	(1)	45	108	191	215	229	180	177
Federal Government funds.....								
Expended under Bureau of Public Roads.....	773	83	471	779	882	1,426	2,275	2,985
Other Federal funds.....	169	68	430	716	808	1,312	2,143	2,844
State governments.....	1,234	1,199	2,810	4,582	5,442	5,196	5,453	5,601
Highway-user imposts ²	1,076	1,086	2,270	3,578	3,903	4,056	4,095	4,275
Toll receipts.....	31	40	72	208	251	290	330	370
Property taxes and general revenues.....	7	48	44	84	130	55	60	60
Miscellaneous.....	11	14	24	65	82	93	47	37
Bond issue proceeds ³	109	11	400	646	1,067	702	921	859
Counties and other local rural units.....	280	289	560	811	736	751	780	808
Highway-user imposts.....		1	2	4	4	4	5	5
Toll receipts.....	3	5	12	15	16	17	17	19
Property taxes and general revenues.....	267	253	416	539	561	680	598	614
Miscellaneous.....	10	12	30	48	50	50	50	50
Bond issue proceeds ³		18	90	205	105	100	110	120
Urban places.....	347	347	728	1,161	1,157	1,228	1,293	1,379
Highway-user imposts.....	(1)	11	23	50	60	65	69	73
Toll receipts.....	(1)	14	31	46	49	52	55	61
Property taxes and general revenues.....	(1)	283	460	658	698	728	760	795
Miscellaneous.....	(1)	19	62	78	83	86	89	90
Bond issue proceeds ³	(1)	20	102	323	267	297	320	360
PURPOSE OF DISBURSEMENT								
Total disbursements.....	2,496	1,677	4,456	7,356	8,247	9,130	9,927	11,060
Capital outlay.....								
Maintenance.....	1,457	968	2,299	4,350	4,997	5,605	6,207	7,138
Administration.....	612	705	1,417	1,872	2,001	2,097	2,223	2,328
Highway police and safety.....	95	97	211	311	304	356	387	418
Interest.....	27	28	78	132	194	228	245	264
Obligations retired.....	100	131	129	270	313	318	352	356
State expenditures not classified by system ⁴	30	14	57	93	91	133	176	198
State highways ⁵								
Capital outlay.....	1,134	753	2,452	4,491	5,217	5,891	6,483	7,407
Maintenance.....	636	214	1,555	4,143	3,700	4,185	4,680	5,487
Administration.....	224	290	505	678	760	816	880	938
Highway police and safety.....	54	58	111	165	185	225	244	263
Interest.....	27	28	78	132	147	178	193	208
Obligations retired ⁷	78	57	60	189	229	230	262	262
County and local rural roads.....	115	106	143	221	438	526	513	556
Capital outlay.....								
Maintenance.....	765	522	1,049	1,477	1,578	1,672	1,760	1,865
Administration.....	447	82	331	583	646	697	738	796
Interest.....	249	311	562	710	736	761	793	825
Obligations retired ⁷	18	20	46	66	70	75	80	86
Urban streets.....	51	35	27	29	29	30	30	31
Capital outlay.....								
Maintenance.....	567	388	898	1,295	1,361	1,434	1,508	1,590
Administration.....	344	58	366	581	554	600	613	657
Interest.....	139	194	350	484	505	520	550	565
Obligations retired ⁷	23	19	54	87	49	56	63	69
Traffic control and police ⁸								
Interest.....	61	39	42	62	55	58	60	63
Obligations retired ⁷		78	96	141	151	160	170	180

¹ Not available separately.² Excludes amounts allocated for collection expenses and nonhighway purposes.³ Par value of long-term obligation. Premiums and discounts on sale of bonds included in miscellaneous income. Short-term notes and refunding issues not included.⁴ Comprises funds of other agencies expended directly by Public Roads as well as funds expended by those agencies. Expenditures were principally for capital outlay and are included as such in totals.⁵ Includes expenditures by States on urban extensions of State highways.⁶ Includes engineering and equipment costs not charged to capital outlay and maintenance, and miscellaneous expenditures.⁷ Par value of long-term obligations. Redemption premiums and discounts are included with interest payments. Redemption of short-term notes, or by refunding, is not included.⁸ Included in "Administration" through 1955.

NO. 715. PUBLIC HIGHWAY DEBT—LONG-TERM HIGHWAY OBLIGATIONS OF STATE AND LOCAL GOVERNMENTS ISSUED, REDEEMED, AND OUTSTANDING: 1945 TO 1959

[In millions of dollars. State data are for calendar year; local data are for varying fiscal years. Excludes duplicated and interunit obligation except as noted]

ITEM	1945 ¹	1950	1953	1954	1955	1956	1957	1958 (prel.)	1959 (est.)
Total debt issued ²	49	652	1,353	2,684	1,174	1,439	1,099	1,351	1,339
State obligations.....	11	400	1,058	2,317	646	1,067	702	921	850
County and local rural obligations.....	22	90	110	94	205	105	100	110	120
Urban obligations.....	20	162	190	273	323	267	297	320	360
Total debt redeemed ³	258	322	344	433	421	438	522	513	556
State obligations.....	115	143	130	168	191	100	253	224	249
County and local rural obligations.....	87	83	86	109	89	97	108	119	127
Urban obligations.....	78	96	110	156	141	151	160	170	180
Total debt outstanding.....	3,640	4,436	6,654	8,905	9,658	10,659	11,236	12,074	12,857
State obligations.....	1,638	2,096	4,015	6,164	6,619	7,496	7,945	8,642	9,262
County and local rural obligations.....	869	872	926	911	1,027	1,035	1,026	1,017	1,010
Urban obligations.....	1,218	1,408	1,713	1,830	2,012	2,128	2,265	2,415	2,505

¹ Duplicated and interunit obligations have been excluded from totals only.

² Excludes refunding issues.

³ Excludes redemptions by refunding.

Source: Department of Commerce, Bureau of Public Roads; releases.

NO. 716. STATE-HIGHWAY SYSTEMS—EXISTING MILEAGE, MILEAGE BUILT, FUNDS AVAILABLE, AND DISBURSEMENTS: 1940 TO 1957

[Figures cover continental U. S. and refer to calendar years for most States. See also *Historical Statistics, 1789-1945*, series K 184-188, for data on total mileage built by State highway departments]

ITEM	1940	1945	1950	1955	1956	1957
Total mileage at end of year.....	551,766	573,284	608,468	661,519	670,511	681,642
Primary rural State-highway systems.....	329,472	338,310	368,213	386,611	389,336	391,387
Nonsurfaced roads.....	20,981	22,373	12,007	6,303	5,517	5,362
Surfaced roads.....	302,481	315,437	351,206	380,308	383,819	380,035
Low type ¹	180,001	182,780	168,554	169,458	166,335	165,423
High type ¹	122,390	132,651	182,052	210,850	217,484	220,612
Secondary rural roads.....	195,245	202,356	209,339	222,729	226,209	231,562
Municipal extensions of State-highway systems ²	27,049	32,568	35,916	41,912	42,998	45,226
Other State roads ³				10,287	11,973	13,467
Total mileage built during year by State-highway departments.....	32,594	15,278	55,487	53,559	57,454	52,971
Graded and drained.....	2,207	283	3,364	1,545	1,810	1,768
Surfaced.....	30,387	14,905	52,123	52,014	56,144	51,173
State controlled.....	29,635	14,827	44,205	41,120	44,016	39,675
Graded and drained.....	1,423	250	1,784	604	486	374
High-type surface ⁴	5,223	3,971	13,379	17,072	20,728	19,476
Low-type surface ⁴	23,049	10,606	29,102	22,754	22,804	19,825
State-highway funds available ^{4,5} mil. dol.	2,038	2,248	5,068	9,547	10,299	10,469
Disbursements of State-highway funds ⁴ do.....	1,078	1,299	3,502	6,034	6,896	7,702

¹ Through 1945, low type was distinguished from high type by quality of surfacing material used; for 1950 also by rigidity of base; and beginning 1955, combined thickness of surface and base was an added consideration.

² Includes connecting streets not under State control. Beginning 1950, excludes streets of this type in Kentucky, Maryland, Mississippi, and District of Columbia. May include the municipal portion of a State route entering a city or town.

³ Mileage of State park, forest, institutional, toll, and other roads under State control.

⁴ Includes funds transferred to or from local units and proceeds of highway-user imposts allotted by the State treasurer for county and other local roads and streets, and nonhighway purposes. See also tables 717 and 718.

⁵ Includes accumulated reserves.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

STATE HIGHWAY FUNDS

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No. 717. DISBURSEMENTS OF STATE HIGHWAY FUNDS, BY STATES: 1921 TO 1957

[In millions of dollars. Comprises disbursements, whether from current revenues or proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, transfers to local units, and miscellaneous disbursements. Includes transactions by State toll authorities. Beginning 1940 covers calendar years; figures for earlier years for many States represent fiscal years]

STATE	1921	1930	1940	1945	1950	1954	1955	1956	1957
Cont. U. S.	444	1,331	1,678	1,299	3,562	5,720	6,034	6,896	7,702
New England	27	80	99	64	198	339	425	574	679
Maine	7	18	14	10	24	58	65	50	50
New Hampshire	2	10	8	7	14	25	30	32	41
Vermont	1	9	8	4	10	16	17	20	26
Massachusetts	8	24	38	21	98	163	203	267	240
Rhode Island	2	4	8	6	14	19	30	25	31
Connecticut	6	16	23	15	38	56	79	180	292
Middle Atlantic	105	262	385	231	771	1,288	1,125	1,109	1,194
New York	39	109	199	113	304	636	471	464	508
New Jersey	16	49	58	44	188	302	303	245	191
Pennsylvania	50	104	128	74	279	350	350	400	406
E. N. Central	77	223	313	242	503	1,042	1,170	1,309	1,512
Ohio	19	68	93	76	147	381	383	369	444
Indiana	8	27	40	35	69	124	200	228	186
Illinois	16	53	71	53	113	227	229	270	449
Michigan	20	48	67	50	106	219	249	309	344
Wisconsin	14	27	41	28	68	92	109	139	138
W. N. Central	50	187	149	109	325	447	546	662	644
Minnesota	7	39	31	23	65	87	101	113	123
Iowa	19	57	33	23	79	94	109	137	140
Missouri	5	44	28	21	53	92	105	115	132
North Dakota	2	6	7	6	22	24	28	31	41
South Dakota	5	8	6	6	20	33	34	42	42
Nebraska	6	16	20	16	36	48	59	61	62
Kansas	7	17	21	16	60	69	110	103	104
South Atlantic	53	164	233	194	603	846	823	971	1,171
Delaware	4	8	4	3	32	26	26	33	41
Maryland	8	20	27	19	84	149	138	150	105
Dist. of Col.	(1)	2	7	4	11	21	24	25	24
Virginia	7	23	28	29	76	117	112	147	222
West Virginia	2	24	26	27	51	112	64	66	70
North Carolina	15	26	40	29	136	131	141	150	180
South Carolina	4	23	23	22	46	59	57	62	74
Georgia	10	17	39	24	74	88	109	115	128
Florida	2	20	30	36	93	143	152	213	238
E. S. Central	18	107	118	100	237	343	371	399	487
Kentucky	6	20	26	20	67	84	102	95	106
Tennessee	7	56	34	32	70	99	108	114	131
Alabama	1	20	28	26	49	87	87	112	119
Mississippi	4	11	31	23	42	72	75	77	82
W. S. Central	40	162	151	128	367	476	565	705	727
Arkansas	8	40	18	15	46	53	55	64	67
Louisiana	5	30	30	22	71	90	115	146	157
Oklahoma	7	27	24	24	73	87	113	148	130
Texas	19	65	80	67	178	246	282	348	372
Mountain	80	56	74	50	163	243	244	306	371
Montana	4	8	12	7	22	36	30	42	42
Idaho	5	8	8	6	19	33	27	31	34
Wyoming	4	4	6	3	14	20	22	26	36
Colorado	5	11	15	12	38	51	56	70	88
New Mexico	4	10	13	8	26	37	39	46	66
Arizona	3	6	9	6	20	31	33	43	51
Utah	3	5	6	6	15	21	28	28	30
Nevada	2	3	4	2	9	18	15	20	26
Pacific	44	90	157	181	396	697	764	862	967
Washington	10	16	40	29	78	116	127	135	160
Oregon	19	19	18	14	50	85	79	83	92
California	15	56	99	138	268	497	558	644	715

¹ Less than \$600,000.Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

ROADS AND MOTOR VEHICLES

No. 718. STATE HIGHWAY FUNDS AVAILABLE, BY SOURCE AND DISBURSEMENTS,
BY PURPOSE, BY STATES: 1957

[In millions of dollars. Comprises receipts and disbursements of all State imposts on highway users, all other funds available to State highway departments, and State funds other than those of highway department which were reported as being applied to highway purposes. Includes transactions of interstate and intrastate toll authorities that are operated by State or quasi-State agencies. See also *Historical Statistics, 1789-1946*, series K 193-203.]

STATE	FUNDS AVAILABLE					DISBURSEMENTS				
	Total	Motor-vehicle fees, motor-fuel and motor-carrier taxes	Fed-eral funds	Income from issue of bonds, notes, etc.	All other sources ¹	Total ²	For State-administered highways ³			
		Capital outlay, roads and bridges ⁴	Mainte-nance ⁴	Other ⁵	For county and local roads and streets ³					
Cont. U. S.	10,469	4,545	1,256	727	3,941	7,702	4,139	812	903	1,348
New England	827	224	52	239	312	679	447	67	93	59
Maine	69	30	9	—	30	50	25	12	8	3
New Hampshire	22	16	6	—	1	41	24	8	7	2
Vermont	25	13	4	6	2	26	11	5	3	6
Massachusetts	353	89	14	71	178	240	134	22	50	28
Rhode Island	37	16	10	10	1	31	19	4	4	1
Connecticut	321	60	9	151	100	292	233	14	22	20
Middle Atlantic	2,077	658	148	32	1,239	1,194	645	141	194	127
New York	1,049	272	89	32	656	598	353	65	69	60
New Jersey	408	135	8	—	265	191	62	28	54	20
Pennsylvania	621	251	51	—	319	406	229	52	71	47
E. N. Central	2,169	891	175	182	921	1,512	743	115	175	434
Ohio	579	234	57	130	159	444	236	35	47	117
Indiana	214	118	12	—	84	136	44	16	17	62
Illinois	700	226	33	—	501	449	235	22	74	107
Michigan	457	200	51	52	145	344	172	28	30	107
Wisconsin	160	105	22	(9)	83	138	55	14	6	53
W. N. Central	813	393	173	32	216	644	355	82	46	144
Minnesota	192	75	27	12	78	123	63	18	9	29
Iowa	160	95	34	—	81	140	68	10	5	54
Missouri	150	78	43	—	20	132	94	23	9	3
North Dakota	52	21	16	—	15	41	26	3	2	9
South Dakota	43	22	14	—	6	42	24	5	2	11
Nebraska	67	44	16	—	8	62	26	8	3	23
Kansas	148	57	22	20	50	104	54	15	16	15
South Atlantic	1,567	683	137	153	589	1,171	620	162	178	127
Delaware	53	12	4	13	24	41	21	4	14	—
Maryland	263	77	21	32	132	195	118	9	31	35
Dist. of Columbia	35	20	3	—	12	24	—	—	—	17
Virginia	268	95	23	—	150	222	150	41	24	3
West Virginia	79	49	7	1	22	70	33	19	16	—
North Carolina	222	128	31	—	64	180	95	48	23	7
South Carolina	102	56	12	5	29	74	37	14	14	8
Georgia	202	91	17	35	50	128	46	12	12	44
Florida	343	155	19	71	98	238	120	16	44	14
E. S. Central	500	308	78	23	92	437	187	47	43	135
Kentucky	114	77	14	—	24	106	61	21	14	7
Tennessee	142	104	18	—	19	131	46	10	7	49
Alabama	142	75	26	20	21	119	50	9	10	47
Mississippi	103	52	20	3	28	82	29	7	12	32
W. S. Central	961	490	150	—	321	727	396	93	71	93
Arkansas	88	48	18	—	23	67	20	11	13	11
Louisiana	245	71	9	—	165	157	95	17	26	16
Oklahoma	154	90	22	—	41	130	62	14	10	34
Texas	474	281	100	—	98	372	210	51	21	32
Mountain	429	207	150	20	51	371	235	43	32	49
Montana	54	25	21	—	8	42	28	5	5	3
Idaho	36	23	11	—	2	34	16	6	3	8
Wyoming	46	14	22	—	10	36	27	4	1	4
Colorado	99	49	28	16	5	88	54	7	8	14
New Mexico	72	32	29	4	8	66	47	7	5	4
Arizona	54	80	15	—	9	51	27	6	6	10
Utah	38	22	10	—	6	30	19	5	2	3
Nevada	20	11	15	—	8	26	18	3	2	2
Pacific	1,126	691	193	42	199	967	512	65	71	179
Washington	178	91	22	22	42	160	74	18	16	31
Oregon	122	61	26	20	15	92	38	14	13	21
California	826	539	145	—	142	715	400	32	42	126

¹ Balances from 1956, totaling \$8,401,430,000, and miscellaneous current revenues, totaling \$539,846,000.

² Includes disbursements not shown separately and not elsewhere included: For collection and administration of highway-user revenues, \$182,385,000; for nonhighway purposes, \$317,045,000.

³ Expenditures on county roads under State control in Ala. (8 counties), Del., N. C., Va. (all except 2 counties), and W. Va. included with those for State-administered highways.

⁴ Includes some administration, engineering, and miscellaneous disbursements.

⁵ Disbursements for administration, engineering, and miscellaneous; State highway police and safety; bond interest; and bond retirement. ⁶ Less than \$500,000.

GASOLINE TAX—FUEL CONSUMPTION

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No. 719. FEDERAL AND STATE GASOLINE TAX, BY STATES: 1940 TO 1958

(Cents per gallon. Where 2 figures appear in a cell, the first is tax in effect at beginning of year, the last is tax at end of year)

STATE	1940	1950	1955	1957	1958 ¹	STATE	1940	1950	1955	1957	1958 ¹
Federal tax	1-1.5	1.5	2	3	3	Montana	5	6	3	7	7-8
State average ²	4.0	4.7	5.4	5.58	5.65	Nebraska	5	6-5	6	6-7	7
Alabama	6	6	6-7	7	7	Nevada	4	4.5	4.5-5	6	8
Arizona	5	5	5	5	5	New Hampshire	4	4.1	5	5-6	8
Arkansas	6.5	6.5	6.5	6.5	6.5	New Jersey	3	3	4	4	4-5
California	3	4.5	6	3.6	3.6	New Mexico	5	7	6	6	6
Colorado	4	6	6	6	6	New York	4	4	3.4	3.4	3.4
Connecticut	3	4	4-6	6	6	North Carolina	6	7	7	7	7
Delaware	4	5	5	5	5	Ohio	4	4	5-6	6	5
Dist. of Col.	2	4	6	6	6	Oklahoma	4	6.5	6.5-7.5	6.5	6.5
Florida	7	7	7	7	7	Oregon	5	6	6	6	6
Georgia	6	7	6-6.5	6.5	6.5	Pennsylvania	4	5	5-6	6-5	5
Idaho	5.1	6	6	6	6	Rhode Island	3	4	4	4	4-6
Illinois	3	3	5	5	5	South Carolina	6	6-7	7	7	7
Indiana	4	4	4	4-6	6	South Dakota	4	4	5	5-6	5-6
Iowa	3	4	5-6	3.6	3.6	Tennessee	7	7	7	7	7
Kansas	3	5	5	3.5	3.5	Texas	4	4	3-4-5	3.5	3.5
Kentucky	5	7	7	7	7	Utah	4	4	5	5-6	6
Louisiana	7	9	7	7	7	Vermont	4	5	5-5.5	5.5	5-6.5
Maine	4	6	6-7	7	7	Virginia	5	6	6	4-6	4-6
Maryland	4	5	6	6	6	Washington	5	6.5	6.5	6.5	6.5
Massachusetts	3	3	5	5-5.5	5.5	West Virginia	5	5	5-6	6	6
Michigan	3	3	4.5-6	6	6	Wisconsin	4	4	4-6	6	6
Minnesota	4-3	5	5	5	5	Wyoming	4	4	3.5	3.5	3.5
Mississippi	6	6-7	3.7	3.7	3.7						
Missouri	2	2	3	3	3						

¹ As of August 1.² Weighted average, based on net gallons taxed.

• Diesel fuel tax differs from gasoline tax.

In Kentucky trucks or combinations having more than 2 axles pay 9 cents per gallon, and in Virginia commercial vehicles with more than 2 axles pay 8 cents per gallon, on all motor fuel used.

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 720. MOTOR FUEL CONSUMPTION, BY USE: 1940 TO 1957

(In millions of gallons. Gasoline and all other fuels under State motor fuel laws. Excludes exports and Federal purchases for military use. Obtained chiefly from reports of State authorities)

ITEM	1940	1945	1950	1952	1953	1954	1955	1956	1957
Total consumption ¹	24,404	22,304	40,280	45,525	47,890	49,636	53,116	55,711	57,443
Highway	22,001	19,149	35,653	40,584	42,732	44,386	47,731	50,214	51,885
Nonhighway	2,037	2,898	4,178	4,453	4,649	4,788	4,835	4,085	5,090
Passenger vehicles	16,759	14,023	25,037	28,735	30,384	31,670	34,310	36,128	37,486
Passenger cars ²	16,323	13,323	24,305	27,969	29,613	30,915	33,548	35,326	36,709
Buses ³	436	700	732	766	771	755	771	802	717
Trucks and combinations	5,156	5,055	10,566	11,849	12,245	12,541	13,308	13,978	14,379
Average gallons consumed per vehicle	680	617	728	788	757	757	759	768	767
Passenger cars ²	694	517	603	630	637	639	644	651	652
Buses ³	3,050	4,300	3,762	3,723	3,156	3,240	3,021	3,145	2,716
Trucks and combinations	1,095	1,020	1,257	1,303	1,279	1,280	1,278	1,302	1,312
Average mileage per gallon consumed per vehicle	13.79	13.05	12.87	12.65	12.77	12.69	12.67	12.54	12.47
Passenger cars ²	15.29	14.95	14.95	14.67	14.70	14.58	14.53	14.37	14.40
Buses ³	6.10	5.48	5.57	5.86	5.77	5.84	5.85	5.74	6.13
Trucks and combinations	9.68	9.08	8.57	8.36	8.54	8.44	8.37	8.31	7.87

¹ Includes losses allowed for evaporation, handling, etc.² Includes taxicabs.³ Includes school buses.Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

ROADS AND MOTOR VEHICLES

No. 721. MOTOR-VEHICLE OPERATORS AND CHAUFFEURS LICENSES, BY STATES:
1956 AND 1957

(In thousands. Incomplete data for some States)

STATE	PERIOD FOR WHICH ISSUED ¹		1956		1957	
	Operators	Chauffeurs	Licenses in force ²	Licenses issued	Licenses in force ²	Licenses issued
			Operators	Chauffeurs ³	Operators	Chauffeurs ³
Cont. U. S.			77,659	32,018	3,728	79,616
New England:						
Maine	1 year	Not required	406	406	422	422
New Hampshire	2 years	2 years	275	168	62	292
Vermont	1 year	Not required	165	165	168	168
Massachusetts	2 years	1 year	4,2109	516	(6)	4,2,119
Rhode Island	2 years	2 years	389	194	10	393
Connecticut	2 years	1 year	4,1,104	475	10	41,198
Middle Atlantic:						
New York	3 years	3 years	6,400	1,204	318	6,628
New Jersey	1 or 3 years	Not required	2,461	2,461	2,420	1,672
Pennsylvania	1 year	Not required	4,792	4,792	4,944	4,944
East North Central:						
Ohio	3 years	3 years	4,886	1,111	109	4,404
Indiana	2 years	1 year	2,604	1,802	256	2,300
Illinois	3 years	1 year	4,489	860	300	4,586
Michigan	3 years	1 year	3,272	1,238	282	3,385
Wisconsin	2 years	Not required	1,773	440	-----	1,867
West North Central:						
Minnesota	4 years	1 year	1,506	502	174	4,1,647
Iowa	2 years	1 year	1,397	621	153	1,404
Missouri	3 years	1 year	2,085	633	136	1,957
North Dakota	2 years	Not required	327	33	-----	347
South Dakota	2 years	Not required	415	343	-----	406
Nebraska	2 years	Not required	793	63	-----	802
Kansas	2 years	2 years	1,351	592	18	1,318
South Atlantic:						
Delaware	(6)	(6)	203	90	20	211
Maryland	Indefinite	2 years	1,252	95	52	4,1,316
District of Columbia	3 years	Not required	337	118	-----	337
Virginia	3 years	1 year	1,630	437	72	1,679
West Virginia	4 years	1 year	820	272	43	831
North Carolina	4 years	1 year	1,794	432	58	1,845
South Carolina	4 years	1 year	1,119	104	5	888
Georgia	(7)	(7)	1,623	1,112	81	1,682
Florida	1 year	1 year	2,138	1,888	250	2,385
East South Central:						
Kentucky	2 years	1 year	4,1,180	600	22	4,1,202
Tennessee	2 years	2 years	1,424	108	9	1,505
Alabama	2 years	Not required	1,251	497	-----	1,328
Mississippi	1 or 2 years	1 or 2 years	712	329	15	712
West South Central:						
Arkansas	1 year	1 year	769	744	25	786
Louisiana	2 years	1 year	1,161	450	109	1,173
Oklahoma	2 years	2 years	1,099	443	68	1,075
Texas	2 years	1 year	4,000	1,785	808	4,111
Mountain:						
Montana	2 years	2 years	347	169	22	353
Idaho	2 years	2 years	360	146	18	378
Wyoming	3 years	1 year	215	106	14	200
Colorado	3 years	3 years	955	260	21	1,009
New Mexico	2 years	1 year	410	191	48	445
Arizona	3 years	2 years	541	168	28	592
Utah	5 years	5 years	416	67	7	413
Nevada	2 years	1 year	163	40	12	171
Pacific:						
Washington	2 years	Not required	1,233	630	-----	1,279
Oregon	2 years	1 year	4874	448	46	4,887
California	4 years	4 years	6,985	1,691	97	7,321

¹ In effect in 1957.² Estimated from data reported by States for current and previous years; no allowance made for deaths, emigration, or revocation.³ Includes public service and other special licenses that are issued to operators of vehicles for hire.⁴ Chauffeurs' licenses not added to operators' licenses since an operator's license is required in addition to the chauffeur's license.⁵ Not available.⁶ Issued for 2-year period, but drivers meeting certain requirements may obtain licenses for indefinite period.⁷ Issued for 1- or 5-year period at option of applicant.Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 722. MOTOR VEHICLES—SUMMARY OF SELECTED ITEMS: 1950 TO 1958

ITEM	1950	1953	1954	1955	1956	1957	1958
SALES, EXPORTS, IMPORTS, AND SCRAPAGE							
Passenger car factory sales, total	1,000	6,606	6,117	5,559	7,920	5,816	6,113
4-door sedans	do	3,247	3,070	2,593	3,044	2,006	1,982
2-door sedans, coaches and coupes ¹	do	2,704	1,782	1,493	1,601	1,136	908
"Hard-top" coupes and sedans	do	267	842	955	2,169	1,824	2,073
Convertibles (except "hard-top")	do	208	150	156	240	199	285
Station wagons ²	do	142	297	349	759	639	890
Chassis	do	9	8	13	18	14	6
Exports, total value	\$1,000,000	794	1,082	1,156	1,367	1,510	1,465
Passenger cars (new)	do	179	276	300	380	331	290
Trucks and buses (new)	do	217	260	332	340	438	434
Rubber tires and tubes	do	47	72	71	82	100	100
Parts and accessories (incl. used vehicles)	do	350	466	453	565	646	633
Imports of new passenger cars	1,000	21	30	35	57	108	259
Value	\$1,000,000	21	42	45	60	127	301
Vehicles scrapped, total	1,000	3,234	4,054	4,353	4,392	4,948	4,204
Passenger cars	do	2,598	3,466	3,840	3,773	4,327	3,702
Trucks and buses	do	636	588	513	610	621	582
TIRES AND PARTS							
Tires, passenger car:							
Production	1,000	78,598	81,431	76,794	97,223	85,546	93,547
Shipments	do	84,423	70,779	77,713	93,730	85,000	90,217
Original equipment	do	36,078	33,098	20,741	42,574	30,874	32,724
Replacement	do	47,103	45,874	47,044	50,180	53,252	56,005
Export	do	642	806	928	960	875	888
Inventory, year-end	do	8,050	13,043	12,217	15,963	16,404	10,818
Tires, truck and bus:							
Production	do	14,156	14,600	12,347	14,955	14,850	13,394
Shipments	do	15,164	14,889	12,528	14,769	14,325	13,430
Original equipment	do	4,671	4,838	3,591	4,800	4,548	4,041
Réplacement	do	9,705	9,317	8,111	9,057	8,894	8,544
Export	do	788	734	826	912	883	845
Inventory, year-end	do	743	2,063	2,545	2,815	3,378	3,408
Replacement parts and accessories, domestic							
sales (wholesale value) ⁴	\$1,000,000	1,882	1,892	1,683	1,805	1,827	2,040
Auto battery shipments for replacement,							
United States	1,000	24,442	28,014	23,771	25,828	25,014	25,943
EMPLOYMENT AND PAY							
Total employment in automotive manufacturing plants	number	825,200	928,900	775,600	903,800	815,200	807,100
Average employment, production workers	do	701,000	767,100	624,400	746,400	651,800	645,700
Total payrolls, production workers	\$1,000,000	2,672	3,508	2,887	3,795	3,210	3,342
Average weekly earnings	dollars	73.25	87.95	88.91	97.78	94.71	99.54
Average weekly hours	hours	41.2	41.1	40.6	42.7	40.3	39.1
Average hourly earnings	dollars	1.778	2.14	2.19	2.29	2.35	2.47
SPECIAL MOTOR-VEHICLE TAXES⁵							
Special motor-vehicle taxes, total	\$1,000,000	4,359	5,993	6,304	7,209	7,849	8,772
Federal excise	do	1,470	2,183	2,204	2,780	2,858	3,518
State gross registration receipts	do	948	1,250	1,334	1,483	1,592	1,661
State gasoline, net	do	1,667	2,155	2,306	2,543	2,702	2,907
Special city and county	do	107	183	216	247	267	290
Bridge, tunnel, ferry, road tolls	do	167	221	244	291	339	395
TRAFFIC DEATHS							
Traffic deaths, total ⁶	number	34,703	37,955	35,586	38,426	39,628	38,500
Noncollision accidents	do	10,980	13,050	12,550	13,550	14,450	13,650
Collision accidents:							
With other motor vehicles	do	11,250	12,600	11,750	13,000	13,650	13,450
With pedestrians	do	9,100	8,700	8,000	8,200	7,950	7,860
With other vehicles or objects	do	3,490	3,682	3,277	3,655	3,783	3,553
Traffic death rates:							
Per 100,000 population	do	28.0	24.0	22.1	28.4	23.7	22.6
Per 10,000 motor vehicles	do	7.2	6.8	6.1	6.2	6.1	5.8
Per 100 million vehicle miles	do	7.6	7.0	6.3	6.4	6.3	5.6

¹ Includes business coupes. ² Excludes station wagons on commercial vehicle chassis.³ Not available. ⁴ Government purchases not included. Estimates based on Federal excise tax receipts.⁵ Special taxes on motor vehicle users; excludes income and property taxes on motor vehicle, body, parts and the factories; garages; dealers; repair shops; terminal and truck, including taxicab and bus, operating companies.⁶ Preliminary.⁷ Includes amounts collected on use of vehicles over 26,000 lbs. as follows: 1956, \$1,513,000 (tax effective Oct. 1); 1957, \$53,763,000; 1958, \$33,102,000.⁸ Totals do not equal the sum of the various types because the estimates were generally made only to the nearest 10 deaths, and to the nearest 50 deaths for certain types.Source: Automobile Manufacturers Association, Detroit, Mich.; *Automobile Facts and Figures*.

No. 723. MOTOR-VEHICLE TRAVEL, BY TYPE OF VEHICLE AND CLASS OF ROAD: 1940 TO 1957

[In millions of vehicle-miles, except averages. Estimates for total United States travel based on automatic traffic recorder data from 48 States. See also *Historical Statistics, 1789-1945*, Series K 236-238b]

ITEM	1940	1945	1950	1953	1954	1955	1956	1957
Total travel	302,188	250,173	458,246	544,433	560,857	603,434	627,843	647,004
CLASS OF ROAD								
Rural	152,195	120,012	239,068	308,376	317,218	336,153	352,379	350,305
Main rural roads	109,861	85,921	174,350	213,604	217,059	227,988	237,748	239,996
Local rural roads	42,334	34,091	65,648	94,771	100,159	108,165	114,681	90,309
Urban	140,093	130,161	218,248	236,053	243,639	267,281	275,404	266,699
TYPE OF VEHICLE								
Passenger vehicles	252,257	204,232	367,694	430,800	455,013	492,047	511,743	533,708
Rural	121,988	92,831	183,218	240,406	248,844	265,637	278,287	277,235
Urban	180,269	111,401	184,476	199,754	206,189	226,380	233,466	260,503
Passenger cars (incl. taxicabs)	240,600	200,398	363,613	435,351	450,005	487,540	507,138	529,405
Rural	120,640	90,926	181,095	237,567	246,300	263,083	275,686	275,034
Urban	120,060	109,472	182,518	197,784	204,305	224,452	231,452	264,371
All buses	2,657	3,834	4,081	4,449	4,408	4,507	4,605	4,303
Rural	1,448	1,905	2,123	2,479	2,544	2,579	2,601	2,201
Urban	1,209	1,928	1,958	1,970	1,864	1,928	2,004	2,192
Commercial buses	1,944	3,182	3,271	3,811	3,106	3,256	3,271	3,041
Rural	808	1,328	1,394	1,455	1,463	1,452	1,417	1,098
Urban	1,136	1,864	1,877	1,856	1,743	1,804	1,854	1,943
School and nonrevenue buses	713	642	810	1,138	1,212	1,251	1,334	1,352
Rural	640	577	729	1,024	1,091	1,127	1,184	1,103
Urban	73	66	81	114	121	124	150	249
Trucks and combinations	49,931	45,041	90,552	104,633	105,844	111,387	116,100	113,206
Rural	30,207	27,181	56,780	68,329	68,874	70,486	74,092	73,070
Urban	19,724	18,760	33,772	36,304	37,470	40,901	42,008	40,136
AVERAGE MILES PER VEHICLE								
Passenger vehicles	9,129	7,870	9,078	9,417	9,354	9,400	9,389	9,425
Passenger cars (incl. taxicabs)	9,030	7,771	9,020	9,370	9,308	9,359	9,348	9,301
All buses	18,580	23,621	20,910	18,234	18,913	17,658	18,059	16,640
Commercial buses	36,000	38,458	36,600	32,782	38,506	34,035	34,432	29,687
School and nonrevenue buses	8,011	8,025	7,775	7,958	8,080	7,836	8,338	11,558
Trucks and combinations	10,626	9,270	10,776	10,927	10,883	10,697	10,813	10,828

Source: Department of Commerce, Bureau of Public Roads; releases.

No. 724. MOTOR VEHICLES—FACTORY SALES AND REGISTRATIONS: 1900 TO 1958

[See also *Historical Statistics, 1789-1945*, series K 225-232]

YEAR	FACTORY SALES						REGISTRATIONS ³ (1,000)		
	Number (1,000)			Wholesale value ² (\$1,000,000)			Total	Passenger cars and taxis ⁴	Trucks and buses ⁴
	Total	Pas-senger cars	Trucks and buses ¹	Total	Passenger cars	Trucks and buses ¹			
1900	4	4	—	5	5	1,169	8	8	—
1910	187	181	6	225	215	1,189	10	610	469
1920	2,227	1,906	322	2,232	1,808	949	423	1,315	9,239
1930	3,363	2,787	575	2,035	1,644	590	391	770	26,750
1940	4,472	3,717	755	2,938	2,371	638	568	752	32,453
1945	725	70	656	1,239	67	823	1,182	1,808	31,038
1950	8,003	6,668	1,337	10,176	8,468	1,270	1,708	1,277	49,182
1952	5,639	4,321	1,218	8,775	6,455	1,494	2,320	1,904	53,205
1953	7,323	6,117	1,206	11,092	9,003	1,472	2,089	1,732	56,221
1954	6,601	5,559	1,042	8,878	8,218	1,478	1,630	1,593	46,423
1955	9,169	7,920	1,249	14,474	12,453	1,572	2,021	1,618	48,461
1956	6,021	5,816	1,104	11,832	9,765	1,677	2,077	1,581	52,139
1957	7,221	6,113	1,107	13,281	11,198	1,832	2,083	1,881	54,201
1958	5,135	4,288	877	9,729	8,010	1,881	1,719	1,959	56,871

¹ A substantial part of the trucks and buses reported comprises chassis without body; hence, excludes the value of bodies for these chassis. Includes military trucks.

² Beginning 1940, includes value of standard equipment. ³ Includes publicly owned vehicles.

⁴ Prior to 1930, buses included with passenger cars. ⁵ Preliminary estimate.

Source: Factory sales—Automobile Manufacturers Association, Detroit, Mich.; *Automobile Facts and Figures*. Registrations—Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

MOTOR-VEHICLE REGISTRATIONS

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No. 725. MOTOR-VEHICLE REGISTRATIONS (PASSENGER CARS, BUSES, AND TRUCKS) BY STATES, 1920 TO 1958

In thousands. Includes publicly owned vehicles. For uniformity, figures have been adjusted to a calendar-year basis as registration years in States differ. Figures represent net numbers where possible, excluding registrations and nonresident registrations.

STATE	1920	1925	1930	1935	1940	1945	1950	1955	1957	1958
Cont. U.S.	9,239	20,069	26,750	26,546	32,453	31,035	49,162	62,694	67,131	68,299
New England	573	1,286	1,710	1,698	2,042	1,990	2,816	3,446	3,724	3,783
Maine	63	141	188	184	209	210	270	323	346	357
New Hampshire	35	82	118	118	137	131	172	212	232	238
Vermont	32	70	87	83	95	91	121	136	145	145
Massachusetts	274	639	851	792	914	868	1,280	1,546	1,672	1,690
Rhode Island	60	102	187	150	180	180	251	308	320	324
Connecticut	119	282	334	371	498	510	716	921	1,008	1,029
Middle Atlantic	1,474	3,564	4,966	5,023	6,043	5,374	8,324	10,441	10,933	11,171
New York	876	1,638	2,330	2,359	2,775	2,360	3,735	4,643	4,778	4,877
New Jersey	228	536	861	899	1,100	1,031	1,570	2,061	2,166	2,241
Pennsylvania	570	1,340	1,775	1,765	2,188	1,988	3,010	3,737	3,989	4,054
East North Central	2,229	4,943	6,425	6,142	7,374	6,956	10,515	13,057	13,906	13,914
Ohio	621	1,354	1,773	1,732	1,942	1,927	2,795	3,526	3,794	3,811
Indiana	833	732	880	857	1,009	990	1,435	1,763	1,907	1,915
Illinois	569	1,267	1,646	1,536	1,939	1,734	2,651	3,268	3,513	3,570
Michigan	413	993	1,338	1,254	1,871	1,475	2,433	3,114	3,213	3,109
Wisconsin	203	597	788	763	918	830	1,201	1,388	1,479	1,509
West North Central	1,782	2,952	3,701	3,523	4,000	3,698	5,490	6,394	6,648	6,790
Minnesota	324	571	736	738	879	757	1,160	1,365	1,446	1,476
Iowa	437	662	783	705	803	701	1,072	1,195	1,221	1,244
Missouri	297	608	766	772	930	860	1,251	1,490	1,578	1,616
North Dakota	91	145	184	165	184	182	276	309	320	329
South Dakota	120	169	206	181	198	191	290	325	330	337
Nebraska	219	340	428	409	417	410	569	662	664	682
Kansas	294	469	598	568	689	607	853	1,048	1,088	1,105
South Atlantic	806	1,942	2,549	2,704	3,468	3,509	5,906	8,158	9,026	9,204
Delaware	18	40	57	58	78	69	108	154	171	177
Maryland	103	288	324	349	449	462	685	938	1,028	1,045
District of Columbia	34	106	159	174	195	114	195	197	197	198
Virginia	115	287	381	363	569	556	918	1,243	1,352	1,380
West Virginia	81	219	269	254	309	290	482	552	605	694
North Carolina	141	344	402	475	607	620	1,056	1,437	1,503	1,546
South Carolina	94	170	221	240	343	341	579	782	819	839
Georgia	146	251	345	309	510	531	898	1,239	1,320	1,348
Florida	74	288	331	362	503	526	985	1,616	1,971	2,077
East South Central	358	884	1,228	1,151	1,541	1,543	2,812	3,812	4,047	4,144
Kentucky	113	263	384	352	470	442	784	1,032	1,108	1,123
Tennessee	102	247	374	360	461	467	858	1,102	1,160	1,203
Alabama	75	196	281	249	346	366	686	1,041	1,123	1,146
Mississippi	68	178	230	190	264	268	484	637	659	672
West South Central	773	1,807	2,433	2,391	2,933	2,805	4,983	6,431	6,867	6,974
Arkansas	59	184	221	210	261	279	477	584	627	643
Louisiana	73	209	279	275	372	408	707	952	1,073	1,098
Oklahoma	213	427	555	508	584	512	831	1,026	1,072	1,090
Texas	428	987	1,378	1,398	1,716	1,805	2,068	3,869	4,095	4,144
Mountain	371	683	972	979	1,269	1,221	2,079	2,800	3,079	3,179
Montana	61	96	137	153	198	161	265	336	356	359
Idaho	51	83	120	121	167	164	272	338	342	349
Wyoming	24	48	62	71	88	85	145	174	181	188
Colorado	129	241	311	288	358	348	564	737	816	841
New Mexico	18	50	85	95	128	121	238	340	378	392
Arizona	35	69	112	107	143	148	271	415	489	522
Utah	43	74	115	108	143	157	247	336	369	380
Nevada	10	22	30	36	46	47	77	124	147	149
Pacific	873	2,009	2,767	2,939	3,782	3,941	6,233	8,155	8,901	9,139
Washington	174	332	452	463	573	626	924	1,164	1,243	1,281
Oregon	115	218	255	299	401	421	689	802	831	845
California	584	1,459	2,060	2,177	2,808	2,894	4,620	6,189	6,927	7,013

Source: Department of Commerce, Bureau of Public Roads; annual report, *Highway Statistics*.

No. 726. MOTOR-VEHICLE REGISTRATIONS, BY STATES: 1957 AND 1958

[In thousands]

STATE	1957				1958				Motor- cycles (includ- ing offi- cial) ¹	
	Motor vehicles			Motor- cycles (includ- ing offi- cial) ¹	Motor vehicles					
	Total	Private and com- mercial	Publicly owned vehicles, Federal, State, county, etc. ²		Total	Private and com- mercial	Publicly owned vehicles, Federal, State, county, etc. ²			
Cont. U. S.	67,131	55,639	10,612	825.9	468.8	68,299	56,645	10,778	877.3	521.3
N. E.	3,724	3,207	473	43.9	16.3	3,783	3,267	469	46.9	17.7
Maine	346	278	68	4.7	1.6	357	281	71	4.8	1.6
N. H.	232	186	40	5.6	1.6	288	192	40	6.1	1.7
Vt.	145	2 115	27	1.9	1.0	145	116	27	2.1	1.0
Mass.	1,672	1,472	181	19.8	5.5	1,690	1,494	174	20.9	6.3
R. I.	320	281	37	2.8	1.6	324	285	36	2.9	1.0
Conn.	1,008	880	119	9.0	5.0	1,029	898	120	10.1	5.5
M. A.	10,933	9,557	1,259	118.3	50.4	11,171	9,786	1,259	126.0	54.1
N. Y.	4,778	4,253	1,469	55.5	14.0	4,877	4,847	472	57.7	16.3
N. J.	2,166	1,882	320	24.9	10.5	2,241	1,980	253	27.5	11.5
Pa.	3,989	3,421	530	37.9	25.8	4,054	3,479	534	40.9	20.2
E. N. C.	13,906	12,010	1,765	132.2	112.8	13,914	12,006	1,770	137.5	135.0
Ohio	3,704	3,341	415	36.9	31.8	3,811	3,361	412	38.0	38.5
Ind.	1,907	1,504	328	15.4	17.5	1,915	1,569	331	16.1	17.5
Ill.	3,513	3,068	415	29.4	24.8	3,570	3,119	420	31.2	33.4
Mich.	3,213	2,814	368	31.3	28.8	3,109	2,708	368	32.4	34.7
Wis.	1,470	1,222	238	19.2	10.2	1,509	1,249	240	19.8	10.9
W. N. C.	6,648	5,215	1,358	75.1	43.3	6,790	5,325	1,385	81.2	48.5
Minn.	1,446	1,181	250	15.2	9.7	1,476	1,205	254	17.1	10.5
Iowa	1,221	987	220	14.1	9.8	1,244	1,004	225	15.0	9.9
Mo.	1,578	1,203	302	14.1	7.6	1,616	1,298	303	15.0	10.2
N. Dak.	320	214	102	8.7	0.9	320	220	105	3.9	1.0
S. Dak.	330	239	85	4.9	1.8	337	244	88	5.4	2.0
Nebr.	684	604	153	7.4	4.5	682	516	158	7.0	4.0
Kans.	1,088	827	240	15.7	9.5	1,103	837	252	16.8	10.0
S. A.	9,026	7,480	1,463	131.8	66.6	9,204	7,590	1,475	139.1	66.0
Del.	171	130	39	2.3	0.9	177	133	43	1.8	0.9
Md.	1,028	884	136	8.4	4.8	1,045	902	134	8.8	4.2
D. C.	197	172	19	4.5	0.7	198	173	19	4.5	0.8
Va.	1,352	1,123	209	19.3	9.8	1,380	1,148	211	20.3	10.2
W. Va.	605	473	122	9.1	3.0	594	473	111	9.3	3.0
N. C.	1,563	1,245	287	30.8	8.1	1,546	1,228	285	33.5	5.2
S. C.	819	605	139	16.0	6.2	889	679	144	16.4	6.6
Ga.	1,320	1,054	250	16.5	9.2	1,348	1,077	254	17.7	8.8
Fla.	1,971	1,684	263	23.8	24.0	2,077	1,777	274	25.6	26.2
E. S. C.	4,047	3,194	796	57.6	23.5	4,144	3,267	817	60.0	26.7
Ky.	1,106	876	217	12.7	5.4	1,123	884	226	13.4	6.0
Tenn.	1,160	933	204	18.0	6.8	1,203	977	208	18.3	8.2
Ala.	1,123	906	201	15.9	9.0	1,145	922	207	16.8	9.7
Miss.	659	474	174	11.0	2.3	672	484	176	11.5	2.8
W. S. C.	6,867	5,342	1,442	83.3	58.2	6,974	5,411	1,471	91.3	64.8
Ark.	627	436	183	8.4	3.4	643	449	186	8.5	3.9
La.	1,073	852	210	10.9	7.6	1,098	871	214	13.3	8.2
Oklahoma	1,072	804	252	15.1	11.0	1,090	814	260	15.7	11.7
Tex.	4,095	3,250	797	48.9	36.2	4,144	3,278	812	53.7	41.0
Mt.	3,079	2,294	727	57.4	25.3	3,179	2,366	752	60.2	31.9
Mont.	356	244	105	7.3	1.5	350	245	107	7.7	1.8
Idaho	342	238	97	7.1	2.4	349	241	100	7.7	2.7
Wyo.	181	123	54	4.2	1.0	188	129	54	4.3	1.1
Colo.	816	628	175	12.7	6.3	841	647	180	13.7	8.9
N. Mex.	378	277	94	7.0	5.6	302	287	98	6.2	6.0
Ariz.	489	380	100	9.4	5.1	522	405	107	9.9	7.2
Utah	389	283	70	6.1	1.7	380	299	74	6.9	2.1
Nev.	147	111	32	3.7	1.8	149	113	32	3.8	2.0
Pac.	8,901	7,445	1,329	126.4	72.4	9,139	7,625	1,379	135.0	76.7
Wash.	1,243	1,004	214	24.6	8.3	1,281	1,032	223	25.6	6.1
Oreg.	831	658	2 157	15.6	5.6	845	672	156	16.4	6.5
Calif.	6,827	5,783	958	86.2	60.5	7,018	5,920	1,000	93.0	64.1

¹ Excludes vehicles owned by military services.² In Vermont, trucks under 1,500 pounds capacity, and in Oregon, trucks with gross weight of 6,000 pounds or less, included with automobiles.³ Excludes farm trucks registered at a nominal fee and restricted to use in vicinity of owner's farm.⁴ Includes 1,807 automobiles of the diplomatic corps for 1957, and 2,087 for 1958.

No. 727. AUTOMOBILE OWNERSHIP, AGE, AND FINANCING: 1948 TO 1958

[For definitions of families and spending units, see headnotes, tables 413 and 411, respectively]

ITEM		1948	1950	1952	1954	1955	1956	1957	1958
AUTOMOBILE OWNERSHIP AND AGE¹									
Total number of families in U.S.	millions	42.7	45.7	48.0	48.7	49.3	50.4	51.2	52.0
Total owning automobiles	percent	54	60	65	70	71	72	75	74
Total number of spending units in U.S.	millions	48.8	52.6	53.9	54.0	54.3	55.0	56.1	56.9
Total owning automobiles ²	percent	60	55	61	66	67	70	72	70
Automobiles owned, by age: ³									
Less than 2 years old	do		17	11	13	12	16	14	12
2 and 3 years old	do		19	31	23	22	21	24	25
4, 5, 6, and 7 years old	do		6	30	40	43	41	40	37
8 years old and over	do		58	28	24	23	22	22	26
PURCHASES AND METHOD OF FINANCING⁴									
Purchases									
Total automobile purchasers	millions	8.6	12.8	12.7	12.9	15.5	18.8	12.8	
New car	do	3.1	5.3	4.9	4.3	6.1	5.2	4.4	
Average price paid	dollars	2,130	2,220	2,050	2,720	2,940	3,070	3,230	
Used car	millions	5.5	7.5	7.8	8.6	9.4	8.6	8.4	
Average price paid	dollars	880	730	920	800	780	800	900	
Method of Financing by Purchasers									
All passenger-car buyers ⁵	percent	100	100	100	100	100	100	100	(4)
Full cash (including trade-in allowance)	do	59	47	38	37	38	36	38	
Installment credit and other borrowing	do	39	52	61	61	60	61	60	
New-passenger-car buyers ⁶	do	100	100	100	100	100	100	100	
Full cash (including trade-in allowance)	do	66	64	40	38	38	34	34	
Installment credit and other borrowing	do	33	46	59	61	60	63	65	
Used-passenger-car buyers ⁶	do	100	100	100	100	100	100	100	
Full cash (including trade-in allowance)	do	55	41	37	36	37	38	39	
Installment credit and other borrowing	do	42	57	62	61	60	60	58	

¹ At time of survey, early in year.² Covers spending units buying cars during year and still owning them at survey time (January–February of following year).³ Age is determined by subtracting model year from year of survey.⁴ Not available. ⁵ Includes buyers from whom method of financing was not ascertained.Source: Board of Governors of the Federal Reserve System. Based on sample data from Surveys of Consumer Finances, conducted by Survey Research Center of University of Michigan for Board of Governors. Data appear periodically in *Federal Reserve Bulletin*.

No. 728. AUTOMOBILE INSURANCE—PREMIUMS WRITTEN AND LOSSES PAID, BY TYPE: 1950 TO 1957

[In millions of dollars. 1950 to 1952, net basis; beginning 1953, direct writing basis]

YEAR	TOTAL INSURANCE		LIABILITY		PROPERTY DAMAGE ¹		PHYSICAL DAMAGE ²		
	Net premiums written	Losses paid	Percent losses paid of premiums written	Net premiums written	Losses paid	Percent losses paid of premiums written	Net premiums written	Losses paid	Percent losses paid of premiums written
1950	2,625	1,089	40.7	931	308	42.5	482	231	47.0
1951	2,995	1,406	47.0	1,128	403	48.8	575	313	54.5
1952	3,608	1,646	45.6	1,382	569	42.7	715	369	51.5
1953	4,105	1,810	43.5	1,562	601	42.3	833	374	44.9
1954	4,175	1,869	44.8	1,642	746	45.4	877	387	44.1
1955	4,644	2,122	45.7	1,735	820	47.3	806	415	46.8
1956	4,541	2,363	52.0	1,899	923	48.6	925	488	52.8
1957	5,037	2,714	58.9	2,180	1,141	52.3	989	541	54.7

¹ Covers real property against damage by autos.² Covers auto fire, theft, collision, and comprehensive.Source: The Spectator, Philadelphia, Pa.; *Insurance Yearbook*, Fire and Casualty Volume; and beginning 1953 Insurance by States Volume.

No. 729. SPEED OF MOTOR VEHICLES: 1945 TO 1958

[Based on actual speed of each vehicle recorded on tangent sections of main rural highways during off-peak hours]

ITEM	1945 ¹	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Number of vehicles recorded	1,000	96	228	280	278	341	241	230	395	381	344
Average speed, all vehicles	m. p. h.	44.0	47.6	47.8	48.9	49.5	49.7	49.7	50.7	50.5	51.4
Passenger cars	do	45.0	48.7	48.7	50.1	50.8	51.1	51.1	52.1	51.8	52.6
Trucks	do	39.8	43.5	43.0	44.4	45.0	44.9	45.2	45.8	46.2	47.0
Buses	do	46.0	50.3	49.8	51.2	52.1	51.5	51.8	52.6	52.8	53.2
Vehicles exceeding											
40 m. p. h.	percent	64	78	77	82	84	85	86	87	87	90
45 m. p. h.	do	42	60	58	63	68	69	73	72	75	76
50 m. p. h.	do	24	38	37	42	45	47	46	51	49	52
55 m. p. h.	do	11	21	20	24	26	25	26	31	30	32
60 m. p. h.	do	5	9	8	11	12	13	12	15	14	15

¹ August 15 to December 31.

Source: Department of Commerce, Bureau of Public Roads.

No. 730. MOTOR-VEHICLE ACCIDENT DEATHS BY AGE, COLOR, AND SEX: 1957

AGE	TOTAL			WHITE			NONWHITE		
	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
	All ages	38,702	28,900	9,802	34,084	25,416	8,668	4,618	3,484
Under 5 years	1,785	1,020	765	1,504	854	650	281	166	115
6 to 9 years	1,480	950	530	1,242	811	431	238	139	99
10 to 14 years	1,124	792	332	1,013	702	311	111	90	21
15 to 19 years	4,084	3,151	938	3,761	2,917	844	323	234	89
20 to 24 years	4,583	3,866	717	4,079	3,458	621	504	408	93
25 to 34 years	6,280	5,099	1,181	5,336	4,355	981	944	744	209
35 to 44 years	4,050	3,767	1,183	4,233	3,207	1,026	717	560	157
45 to 54 years	4,450	3,255	1,195	3,839	2,787	1,052	611	468	143
55 to 64 years	4,095	2,889	1,206	3,632	2,538	1,094	463	351	112
65 years and over	5,835	4,081	1,754	5,426	3,770	1,666	409	311	98
Not stated	36	30	6	19	17	2	17	13	4

No. 731. MOTOR-VEHICLE ACCIDENT DEATHS, BY PLACE OF DEATH AND PLACE OF RESIDENCE: 1950 TO 1957

STATE	BY PLACE OF DEATH						BY PLACE OF RESIDENCE					
	1950	1953	1954	1955	1956	1957	1950	1953	1954	1955	1956	1957
Cont. U. S.	34,763	37,955	35,586	38,426	39,628	38,702	34,763	37,955	35,586	38,426	39,628	38,702
Ala.	859	849	776	859	980	947	855	870	805	864	1,016	937
Ariz.	333	411	441	384	502	473	278	354	360	335	414	383
Ark.	365	456	408	447	503	503	383	457	420	467	497	508
Calif.	3,082	3,475	3,168	3,524	3,869	3,792	3,171	3,518	3,268	3,609	3,975	3,895
Colo.	415	360	414	456	427	411	408	347	408	406	415	418
Conn.	287	299	264	358	304	302	291	301	270	351	314	317
Del.	84	116	103	112	92	101	80	105	83	104	96	92
D. C.	102	109	83	99	86	87	134	134	106	119	104	130
Fla.	882	966	1,004	1,048	1,238	1,145	842	901	915	977	1,135	1,113
Ga.	928	952	1,005	1,122	1,161	1,067	906	943	952	1,094	1,120	1,081
Idaho	243	205	240	184	245	214	226	198	235	181	237	196
Ill.	1,963	2,082	1,714	1,877	2,013	1,931	2,042	2,227	1,839	1,994	2,187	2,044
Ind.	1,138	1,318	1,119	1,189	1,282	1,200	1,087	1,244	1,067	1,148	1,293	1,172
Iowa	620	603	613	613	700	718	634	601	630	636	681	710
Kansas	546	590	634	613	691	608	520	557	617	587	678	589
Ky.	763	914	807	907	812	843	722	827	780	862	765	797
La.	585	705	634	703	916	842	551	601	610	677	876	827
Maine	161	190	152	177	174	157	155	202	165	176	177	151
Md.	480	516	511	500	544	558	442	494	501	498	531	526
Mass.	402	538	555	621	394	421	544	589	597	675	484	403
Mich.	1,627	1,928	1,830	2,036	1,781	1,582	1,602	2,035	1,911	2,145	1,842	1,602
Minn.	553	665	667	613	672	727	587	603	601	632	711	750
Miss.	525	553	461	502	586	562	519	540	447	544	565	550
Mo.	902	1,051	1,023	1,079	1,104	1,070	942	1,067	998	1,084	1,112	1,080
Mont.	209	258	229	244	276	221	191	233	219	239	260	226
Nebr.	317	349	339	331	325	317	305	340	340	337	355	351
Nev.	122	161	155	186	150	144	81	117	88	123	94	104
N. H.	103	101	89	110	100	98	98	92	87	108	100	98
N. J.	715	816	828	815	791	854	646	780	765	767	796	825
N. Mex.	340	427	394	383	431	465	263	315	291	295	349	370
N. Y.	1,961	2,233	2,080	2,163	2,160	2,208	2,098	2,403	2,222	2,310	2,313	2,344
N. C.	1,153	1,184	1,082	1,222	1,185	1,134	1,113	1,161	1,074	1,217	1,177	1,144
N. Dak.	105	169	157	153	172	165	111	178	158	171	170	158
Ohio	1,850	2,094	1,900	2,089	2,011	1,892	2,113	1,949	2,137	2,086	2,124	
Oklahoma	504	634	567	569	672	696	510	581	572	608	636	709
Oreg.	461	428	446	434	444	489	465	416	421	434	435	473
Pa.	1,656	1,780	1,662	1,872	1,984	1,857	1,744	1,863	1,772	1,948	2,034	1,927
R. I.	87	75	68	94	76	84	89	88	79	98	80	85
S. C.	627	739	571	696	720	698	633	708	550	679	694	662
S. Dak.	198	186	188	200	191	190	196	192	172	200	193	188
Tenn.	801	886	769	908	835	783	778	837	775	913	801	776
Tex.	2,499	2,417	2,408	2,602	2,655	2,575	2,498	2,471	2,520	2,549	2,712	2,687
Utah	199	226	222	211	223	230	202	205	211	192	208	207
Vt.	69	77	64	67	101	103	82	66	54	82	93	68
Va.	929	909	826	909	840	933	857	879	775	830	776	842
Wash.	534	636	456	514	572	553	568	544	488	545	599	690
W. Va.	400	457	360	398	446	488	422	459	374	410	459	495
Wis.	857	906	866	954	976	913	806	900	851	910	921	882
Wyo.	149	166	159	145	177	167	117	126	119	114	148	117

Source of tables 730 and 731: Department of Health, Education, and Welfare, Public Health Service, National Office of Vital Statistics; annual report, *Vital Statistics of the United States*.

Section 21

Transportation, Land and Air

This section presents statistics concerning the systems of mass transport of persons and goods by land and air. The modes of transport included are railroad, trucking, bus and streetcar, pipeline, and civil aviation. The principal sources of these data are *Transport Statistics in the United States*, Part 1, published annually by the Interstate Commerce Commission; the *Transit Fact Book*, relating to street railways and motor buses, published annually by the American Transit Association, and the *Statistical Handbook of Aviation* published by the Federal Aviation Agency. Various periodic reports such as the *Monthly Report on Transportation Statistics* and the quarterly and annual *Statistics of Class I Motor Carriers* (issued as Part 7 of *Transport Statistics*) are issued by the Interstate Commerce Commission. In addition, the Association of American Railroads supplements official railway statistics with various releases, and the annual review and statistical number of *Fleet Owner (Bus Transportation)* prior to January 1957), a McGraw-Hill publication, summarizes operations of common carrier and school buses. The Interstate Commerce Commission also issues annually *Selected Financial and Operating Statistics from Annual Reports of Electric Railways* (issued as Part 4 of *Transport Statistics*), an abstract of the annual reports of electric railway companies, chiefly interurban, which report to it. Figures relating to oil pipelines are compiled by the Interstate Commerce Commission and appear in its annual report on *Statistics of Oil Pipe-Line Companies* (issued as Part 6 of *Transport Statistics*).

Railroads.—The total railroad mileage of the United States comprises: (1) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission; (2) switching and terminal railroads, also reporting to the Commission; and (3) private railroads (identified by the Commission as "circular" because they report on brief circulars, or as "unofficial" when their reports are received too late for tabulation). Except for certain mileage data, the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries comprise proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railroads are classified on the basis of operating revenues. Prior to 1956, the classification was as follows: Class I, those having more than \$1,000,000 gross annual operating revenue; class II, from \$100,000 to \$1,000,000; and class III, less than \$100,000. Since 1956, the following classification has been in effect: Class I, \$3,000,000 or more; and class II, under \$3,000,000. Class III has been eliminated.

Motor carriers.—Statistics of class I for-hire carriers are compiled by the Interstate Commerce Commission from annual and quarterly reports submitted to it by these carriers. Prior to 1950, class I motor carriers were those with \$100,000 or more of gross annual operating revenue. Beginning with 1950, the class I minimum became \$200,000. Beginning with 1957, the class I minimum for motor carriers of property was increased to \$1,000,000; however, the minimum for class I motor carriers of passengers remained at \$200,000.

Note.—This section presents data for the most recent year or period available on May 7, 1959, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

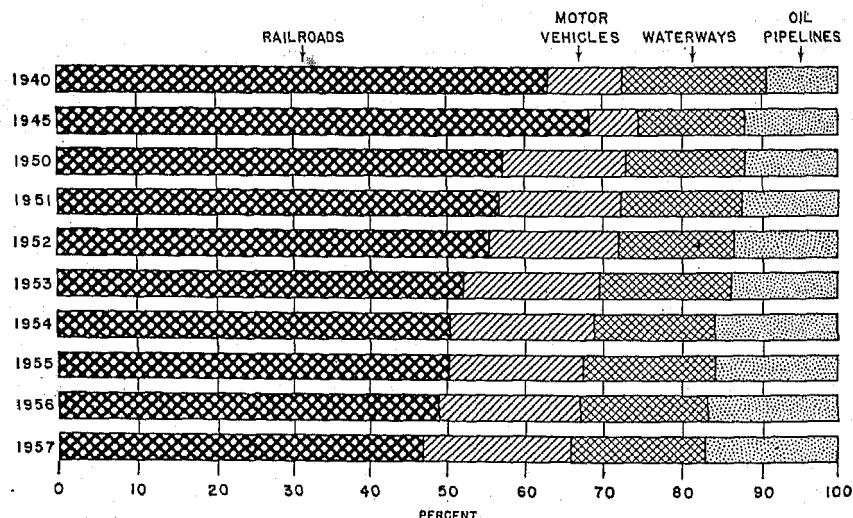
Civil aeronautics.—Federal promotion and regulation of civil aviation are carried out by two bodies—the Federal Aviation Agency and the Civil Aeronautics Board. The Board issues certificates permitting persons to engage in air transportation as a business, fixes air mail rates which they may charge, and may establish maximum and minimum rates for transportation of passengers and goods. It also has the duty of investigating accidents in air transportation.

The principal activities of the Federal Aviation Agency are: Controlling the use of navigable airspace; prescribing regulations dealing with the competency of airmen, airworthiness of aircraft, and air traffic control; operation of air route traffic control centers, airport traffic control towers, and communication stations; the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment for the airways; and promotion of air safety.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, 1789-1945*, series K 28-33") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*, and its *Continuation to 1952*. See preface.

FIG. XXXIV. PERCENT DISTRIBUTION OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1940 TO 1957

[Airways not shown separately—less than one-tenth of 1 percent. See table 782]



Source: Chart prepared by Department of Commerce, Bureau of the Census. Data are from Interstate Commerce Commission.

No. 732. VOLUME OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1940 TO 1957

[In millions of ton-miles. A ton-mile is the movement of a ton (2,000 lbs.) of freight for the distance of one mile.
Comprises public and private traffic and revenue and nonrevenue traffic]

YEAR	Total traffic, volume	RAILROADS ¹		MOTOR VEHICLES		INLAND WATERWAYS ²		OIL PIPELINES		AIRWAYS ³	
		Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total
1940	651,204	411,813	63.24	62,043	9.53	118,057	18.13	59,277	9.10	14	0.002
1945	1,072,490	736,184	68.64	66,948	6.24	142,737	13.31	126,580	11.80	91	0.008
1950	1,094,160	628,403	57.44	172,860	16.80	163,344	14.93	129,175	11.81	318	0.029
1951	1,209,090	686,377	56.77	188,012	15.55	182,216	15.07	152,115	12.58	379	0.031
1952	1,172,167	651,276	55.50	194,807	16.60	168,367	14.36	157,502	13.44	415	0.035
1953	1,232,477	642,578	52.14	217,163	17.62	202,489	16.43	160,884	13.78	413	0.034
1954	1,145,434	877,529	50.42	214,026	18.74	173,679	15.16	179,203	15.64	397	0.035
1955	1,300,994	654,573	50.31	226,188	17.39	216,508	16.64	203,244	15.62	481	0.037
1956	1,381,225	676,974	49.01	253,751	18.37	210,978	15.93	220,959	16.65	563	0.041
1957	1,370,655	644,746	47.04	260,856	19.03	231,792	16.01	222,660	16.97	601	0.044

¹ Includes electric railways, express, and mail.

² Includes Great Lakes.

³ Domestic revenue service only. Includes express, mail, and excess baggage.

⁴ Part of this increase resulted from coverage of waterways previously existing but not covered.

⁵ Motor-vehicle ton-miles revised upward on basis of new data; not applied to previous years.

Source: Interstate Commerce Commission; *Annual Report*, and Statement No. 568, *Intercity Ton-Miles, 1899-1954*, February 1956.

No. 733. VOLUME OF DOMESTIC INTERCITY PASSENGER TRAFFIC, BY TYPE OF TRANSPORTATION: 1950 TO 1957

[In millions of passenger-miles. A passenger-mile is the movement of one passenger for the distance of one mile.
Comprises public and private traffic and revenue and nonrevenue traffic]

YEAR	Total traffic, volume	RAILROADS ¹		COMMERCIAL MOTOR CARRIERS		PRIVATE AUTOMOBILES		INLAND WATERWAYS ²		AIRWAYS ³	
		Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total
1950	473,022	32,481	6.87	26,436	5.59	402,843	85.16	1,190	0.25	10,072	2.13
1951	534,782	35,306	6.60	27,418	5.13	457,787	85.60	1,333	0.25	12,938	2.42
1952	575,345	34,710	6.03	28,704	4.99	495,547	86.13	1,396	0.24	14,988	2.61
1953	608,709	32,261	5.30	28,397	4.66	520,194	86.93	1,487	0.24	17,430	2.86
1954	625,113	29,467	4.71	25,614	4.10	548,763	87.79	1,701	0.27	19,568	3.13
1955	664,610	28,695	4.32	25,519	3.84	585,817	88.16	1,738	0.26	22,741	3.42
1956	698,895	28,610	4.09	25,189	3.60	617,713	88.98	1,860	0.27	25,523	3.65
1957	710,236	28,251	3.65	24,998	3.48	637,755	88.67	1,930	0.27	28,302	3.93

¹ Includes electric railways.

² Includes Great Lakes.

³ Includes domestic commercial revenue service and private pleasure and business flying.

Source: Interstate Commerce Commission; *Annual Report*.

No. 734. OPERATING REVENUES, BY TRANSPORT AGENCY: 1940 TO 1958

TRANSPORT AGENCY	1940	1945	1950	1955	1956	1957	1958 ¹ (prel.)
REVENUES (\$1,000,000)							
Pullman Company	60	148	104	95	96	85	76
Electric railways ²	53	87	79	60	49	45	36
Railway Express ³	120	284	223	241	257	248	253
Railroads ⁴	4,450	9,136	9,820	10,495	10,963	10,920	10,190
Water lines ⁵	113	173	330	452	476	450	419
Pipelines (oil) ⁶	226	304	442	678	737	730	709
Domestic scheduled air carriers ⁷	77	216	558	1,201	1,342	1,515	1,500
Motor carriers of property	898	1,840	3,737	5,535	5,829	6,106	6,082
Motor carriers of passengers ⁸	170	652	530	552	564	590	500
INDEX (1939=100)							
Railroads ⁴	107.7	220.6	237.2	263.5	204.8	263.7	(8)
Pipelines (oil)	106.3	143.2	207.8	318.9	347.0	343.5	(8)
Domestic scheduled air carriers ⁷	187.6	384.1	997.9	2,149.0	2,400.2	2,708.1	2,788.4
Motor carriers of property	109.4	177.5	471.7	698.7	735.8	777.6	(5)
Motor carriers of passengers	103.8	327.3	318.6	331.2	334.4	354.0	(8)

¹ 12 months ending June 30.² A shift of 2 carriers from the electric railway to the railroad group in the year 1957, and 1 in the first 6 months of 1958 result in overstatement of the declines by an undetermined amount.³ After deducting payments to others for express privileges.⁴ Includes switching and terminal companies.⁵ Includes only revenues from domestic traffic of carriers subject to the jurisdiction of the Interstate Commerce Commission.⁶ Source: Federal Aviation Agency; *F.A.A. Statistical Handbook of Aviation*.⁷ Excludes motor-carrier revenues of electric railways, included under electric railways.⁸ Not available.Source: Interstate Commerce Commission; *Annual Report and Statistics of Class I, II, and III Motor Carriers, 1939-1958* (Statement No. 589), except as noted.

No. 735. INDEXES OF INTERCITY FREIGHT TRAFFIC, 1940 TO 1956, AND OF AVERAGE FREIGHT RATES ON RAILROAD CARLOAD TRAFFIC, 1948 TO 1956

YEAR	INDEXES OF INTERCITY TON-MILES (1939=100)			Index of average freight rates ³ (1950=100)
	Total, all carriers	All motor carriers ¹	Class I, II, and III motor carriers ²	
1940.....	113.8	117.5	105.3	-----
1945.....	189.0	126.7	138.9	-----
1946.....	166.3	155.2	155.0	-----
1947.....	205.8	193.3	191.9	-----
1948.....	192.3	219.7	237.7	98
1949.....	168.5	239.7	243.8	99
1950.....	195.5	327.3	334.2	100
1951.....	216.7	356.0	368.0	102
1952.....	210.5	369.4	360.6	109
1953.....	221.5	411.1	389.4	111
1954.....	206.9	406.3	368.0	109
1955.....	235.1	428.2	422.0	108
1956.....	250.2	480.4	422.6	112

¹ Private and for hire.² Excludes local carriers, which probably account for less than 3 percent of total intercity ton-miles of Class I, II, and III motor carriers.³ On railroad carload traffic.Source: Interstate Commerce Commission: *Statistics of Class I, II, and III Motor Carriers, 1939-1958* (Statement No. 589) and *Indexes of Average Freight Rates on Railroad Carload Traffic, 1948-1956* (Statement R I-1).

No. 736. RAILROADS—SUMMARY STATISTICS: 1920 TO 1957

[As of December 31. Includes intercorporate duplications. See also *Historical Statistics, 1789-1945*, series K 1-83]

ITEM	1920	1930	1940	1950	1955	1956	1957
Operating companies ¹ number	1,085	775	574	471	441	422	415
Road owned, first track ² miles	252,845	249,052	283,670	223,779	220,670	220,221	219,067
Miles operated: ³							
Total reporting railroads ⁴ miles	408,579	428,883	405,975	386,380	390,965	389,668	386,978
Road, first track ⁴ do	259,941	260,440	245,740	236,867	233,955	233,500	232,177
Other main tracks ⁴ do	36,394	42,742	41,373	40,450	38,826	37,908	37,123
Yardtrack and sidings ⁴ do	109,744	126,701	118,802	119,067	118,185	118,251	117,678
Miles of road operated by receivers or trustees	16,200	9,486	75,270	12,223	11,685	1,594	1,022
Equipment:							
Locomotives in service number	68,942	60,189	44,333	42,961	38,533	32,593	32,301
Average tractive effort ⁵ pounds	36,365	45,225	50,905	57,075	65,005	68,745	61,515
Cars in service:							
Passenger-train number	56,102	53,584	38,308	37,359	32,118	30,817	29,504
Freight-train ⁷ thousands	2,388	2,322	1,684	1,746	1,724	1,739	1,778
Average capacity ⁸ tons	42.4	46.9	50.0	52.6	53.7	54.0	54.5
Capital and property investment: ⁹							
Road and equipment, book value ⁹ mil. dol.	19,840	26,051	25,646	30,174	33,035	33,714	34,015
Depreciation reserve ¹⁰ do	1,081	2,361	3,005	6,820	7,314	7,543	7,801
Capital outstanding ¹¹ do	21,891	24,331	23,371	20,399	19,309	19,324	18,695
Net capitalization ¹¹ do	16,994	19,066	17,630	15,618	15,171	15,255	14,682
Stock paying dividends ¹¹ do	5,075	7,702	3,741	6,769	7,300	6,785	6,465
Dividends declared ¹¹ do	381	603	217	349	476	476	466
Interest accrued on funded debt							
mil. dol.	500	589	547	367	374	373	382
Income and expenses:							
Operating revenues do	6,310	5,356	4,355	9,587	10,230	10,686	10,625
Operating expenses do	5,964	3,994	3,132	7,135	7,724	8,200	8,322
Tax accruals do	279	354	403	1,212	1,101	1,144	1,001
Operating income do	75	1,008	820	1,240	1,404	1,342	1,213
Net income ¹² do	482	578	243	855	980	908	765
Passenger service:							
Passenger revenue do	1,305	731	418	815	744	758	736
Passengers carried millions	1,270	708	486	488	433	480	413
Passenger-miles do	47,370	26,876	23,816	31,790	28,548	28,216	25,914
Commutation ¹² do		6,660	3,907	4,900	4,776	4,841	4,828
Coach ¹² do			12,485	17,443	17,314	17,074	15,875
Parlor and sleeping car ¹² do				7,288	9,338	6,441	6,275
Revenue per passenger-mile cents	2.76	2.72	1.76	2.56	2.61	2.69	2.84
Average journey per passenger miles	37.30	37.96	52.22	65.14	65.88	65.62	62.80
Freight service:							
Freight revenue mil. dol.	4,421	4,145	3,584	7,034	8,005	9,080	9,064
Revenue tons originated millions							
Tons carried one mile do	1,303	1,220	1,069	1,421	1,459	1,521	1,449
Revenue ton-miles per mile of road thousands	413,699	385,815	375,369	591,550	626,893	651,188	621,007
Revenue per ton-mile cents	1,597	1,481	1,520	2,497	2,679	2,789	2,677
Haul per ton miles	1,069	1,074	0.966	1,341	1,382	1,396	1,467
Number of employees, average thousands	303.52	316.21	351.13	416.32	430.67	428.08	429.20
Compensation of employees mil. dol.	2,076	1,517	1,046	1,237	1,071	1,058	999
Accidents:							
Persons killed number	6,958	5,665	4,740	3,480	2,849	2,578	2,893
Persons injured do	168,309	49,443	29,606	33,267	27,846	28,676	18,088

¹ Line-haul operating.² Excludes all duplications; also excludes some mileage in Canada, Alaska, and Hawaii.³ Includes some duplication under trackage rights and some mileage in Canada; excludes some mileage in Alaska and Hawaii. ⁴ Excludes circular and unofficial.⁵ Average for steam locomotives only, 1920-1965; beginning 1956, covers all locomotives.⁶ Covers class I railroads, excluding switch and terminal companies. ⁷ Excludes cabooses cars. ⁸ Includes lessors.⁹ Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale, or abandonment, reclassification, etc. Includes lesser companies since 1930; for later years, includes proprietary companies except those which are part of systems filing consolidated annual reports.¹⁰ For 1950 and later years, includes amortization of defense projects and proprietary companies.¹¹ Comprises actually outstanding, nominally issued, and nominally outstanding securities, and equipment obligations. ¹² Class I railroads.Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1, and *Accident Bulletin*.

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No. 737. RAILROAD COMPANIES, BY CLASS: 1957

[See text, p. 563, for explanation of class limits]

CLASS OF COMPANY	Compan- ies	MILES OF ROAD ¹		EQUIPMENT IN SERVICE			Revenue freight originated ⁵ (mil. tons)	Net rail- way op- erating income (\$1,000)
		Owned ²	Oper- ated ³	Locomo- tives	Freight- train cars ⁴	Passen- ger- train cars		
Total.....	878	219,067	232,311	32,381	1,798,465	29,564	1,449	975,668
Class I line-haul operating.....	110	187,900	222,044	30,248	1,765,766	29,473	1,330	922,334
Lessors to Class I.....	142	18,582	-----	-----	-----	-----	-----	-----
Class II line-haul operating.....	304	9,125	10,133	707	17,200	84	60	12,311
Lessors to Class II.....	18	329	-----	-----	-----	-----	-----	-----
Switching and terminal.....	6 232	(1)	(1)	1,436	15,499	7	-----	41,023
Proprietary ⁶	55	2,781	-----	-----	-----	-----	-----	-----
Circular.....	19	286	-----	95	-----	-----	-----	-----
Unofficial.....	8	65	39	-----	-----	-----	-----	-----

¹ Single or first main track.² Excludes 162 miles in Canada, 573 miles in Alaska, and 25 miles in Hawaii.³ Includes 1,299 miles in Canada; excludes 573 miles in Alaska and 25 miles in Hawaii.⁴ Includes caboose cars.⁵ Excludes switching and terminal companies.⁶ Includes operating, lessor, proprietary, circular, and unofficial companies.⁷ Not comparable.⁸ Excludes those in systems which file consolidated reports combining mileage, investment, and other items on an system basis.Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1.

No. 738. RAILROADS—MILES OF ROAD OWNED, BY STATES: 1940, 1950, AND 1957

[Data are for actual length of line of each State without duplication. As of December 31]

STATE	1940	1950	1957	STATE	1940	1950	1957
Cont. U. S.....	233,670	223,779	219,067	W. N. Central—Con.			
New England.....	6,677	6,396	6,175	Missouri.....	7,042	6,735	6,681
Maine.....	1,882	1,830	1,795	North Dakota.....	5,286	5,256	5,256
New Hampshire.....	1,002	936	869	South Dakota.....	4,006	3,958	3,916
Vermont.....	910	889	817	Nebraska.....	6,044	5,800	5,726
Massachusetts.....	1,793	1,726	1,688	Kansas.....	8,564	8,441	8,301
Rhode Island.....	194	185	181	East South Central.....	16,179	15,574	15,368
Connecticut.....	887	830	825	Kentucky.....	3,691	3,641	3,644
Middle Atlantic.....	20,175	19,180	17,892	Tennessee.....	3,573	3,471	3,414
New York.....	7,739	7,493	6,713	Alabama.....	4,986	4,723	4,680
New Jersey.....	2,108	1,992	1,963	Mississippi.....	3,919	3,739	3,741
Pennsylvania.....	10,328	9,695	9,216	West South Central.....	31,497	29,771	28,095
South Atlantic.....	29,476	27,924	27,559	Louisiana.....	4,357	4,079	3,989
Delaware.....	295	295	293	Texas.....	16,356	15,611	15,212
Dist. of Columbia.....	35	34	28	Oklahoma.....	6,302	5,977	5,905
Maryland.....	1,367	1,300	1,196	Arkansas.....	4,482	4,104	4,009
Virginia.....	4,261	4,073	4,129	Mountain.....	23,518	22,101	21,412
West Virginia.....	2,831	3,719	3,692	Montana.....	5,149	5,059	4,962
North Carolina.....	4,668	4,435	4,346	Wyoming.....	2,008	1,926	1,883
South Carolina.....	3,466	3,223	3,288	Colorado.....	4,552	4,278	3,884
Georgia.....	6,334	6,043	5,033	New Mexico.....	2,812	2,496	2,473
Florida.....	5,218	4,793	4,688	Arizona.....	2,228	2,197	2,177
East North Central.....	41,281	39,351	39,154	Utah.....	2,082	1,788	1,730
Ohio.....	8,501	8,418	8,343	Nevada.....	1,941	1,660	1,648
Indiana.....	8,889	8,652	8,602	Idaho.....	2,746	2,718	2,685
Illinois.....	11,949	11,043	11,316	Pacific.....	16,875	15,874	15,706
Michigan.....	7,303	6,803	6,592	Washington.....	5,243	5,124	4,981
Wisconsin.....	8,639	8,335	6,201	Oregon.....	3,385	3,217	3,212
West North Central.....	48,293	47,108	46,666	California.....	7,947	7,533	7,513
Minnesota.....	8,421	8,333	8,223	Alaska.....	536	567	573
Iowa.....	8,050	8,585	8,563	Hawaii.....	192	25	25

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and for 1957, *Transport Statistics in the United States*, Part 1.

No. 739. RAILROADS—EQUIPMENT IN SERVICE: 1950 TO 1957

ITEM	1950	1954	1955	1956	1957
Locomotives	42,951	35,033	33,533	32,593	32,391
Steam	26,680	9,041	6,263	3,918	2,608
Electric	827	660	639	616	597
Diesel	15,396	25,256	26,563	28,001	29,137
Other	48	67	65	58	49
New units installed ¹	3,215	1,126	1,097	1,210	1,015
Freight cars ²	1,745,778	1,761,388	1,723,747	1,738,031	1,777,557
Box	718,150	724,947	723,962	733,030	745,269
Gondola and hopper	874,801	879,282	845,809	850,579	875,519
Other	152,827	167,157	155,976	154,422	156,709
Aggregate capacity ¹	1,000 tons	90,466	93,196	91,229	92,161
Average capacity ¹	tons	52.6	53.7	53.7	54.0
New units installed ¹	40,032	26,243	29,070	55,682	82,427
Passenger-train cars	37,350	33,035	32,118	30,817	29,504
Coaches	16,488	14,210	13,543	12,867	12,328
Average seating capacity ¹	75	74	75	75	75
Baggage, express, and other nonpassenger	13,817	12,890	13,388	11,146	10,873
Other	7,054	5,935	5,187	6,804	6,383
New units installed ¹	1,078	351	412	391	232
Air-conditioned cars ³	16,747	15,783	14,784	14,551	14,323

¹ Class I railroads. ² Excludes caboose cars. ³ Class I railroads and Pullman Company.Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1.

No. 740. RAILROADS (CLASS I)—FUEL AND POWER CONSUMED AND RAILS AND TIES LAID: 1950 TO 1957

[Line-haul railroads only. See text, p. 563, for explanation of change in class limits beginning 1956]

ITEM	1950	1955	1956	1957
FUEL CONSUMED				
Coal	55,452	11,427	8,582	4,866
Fuel oil	1,000,000 gal.	2,284	376	89
Diesel oil	do	1,827	3,393	3,566
Electricity	1,000,000 kwh.	2,260	2,082	2,091
RAILS AND TIES LAID				
Rails (replacement and betterment)	1,000 short tons	2,454	1,890	1,731
Ties (in previously constructed tracks):				
Crossties	1,000	80,494	24,149	23,646
Switch and bridge ties	1,000 ft. b. m.	98,400	70,098	74,100
				71,655

No. 741. RAILROADS (CLASS I)—OPERATING REVENUES, EXPENSES, INCOME, AND CAPITAL EXPENDITURES: 1950 TO 1958

[In millions of dollars. See text, p. 563, for explanation of change in class limits beginning 1956]

ITEM	1950	1954	1955	1956	1957	1958 (prcl.)
Operating revenues	9,473	9,371	10,107	10,545	10,506	9,504
Freight	7,817	7,798	8,539	8,946	8,942	8,671
Passenger	813	767	743	757	735	675
Mail	374	307	287	287	292	328
Express	81	115	118	119	98	91
Other	387	383	420	437	440	399
Operating expenses	7,050	7,884	7,641	8,102	8,238	7,544
Maintenance, total	2,995	3,082	3,172	3,295	3,346	2,944
Way and structures	1,287	1,352	1,387	1,404	1,433	1,223
Equipment	1,708	1,730	1,785	1,892	1,913	1,720
Traffic	192	228	236	254	250	282
Transportation, rail line	3,491	3,623	3,708	4,040	4,102	3,834
Miscellaneous operations	110	115	108	111	104	92
General	271	337	337	401	427	422
Net revenue from railway operations	2,414	1,987	2,460	2,443	2,260	2,020
Tax accruals	1,195	861	1,081	1,121	1,070	957
Operating income	1,210	1,126	1,385	1,322	1,199	1,063
Net railway operating income	1,040	874	1,129	1,070	923	762
Ratio of expenses to revenues (percent)	74.5	78.8	75.6	76.8	78.4	78.9
Expenditures for capital improvements, total	1,065	821	908	1,227	1,395	738
Equipment	779	499	568	821	1,008	480
Roadway and structures	286	322	340	406	387	258

Source of tables 740 and 741: Interstate Commerce Commission; *Annual Report*.

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No. 742. RAILROADS (CLASS I)—SELECTED FREIGHT STATISTICS: 1950 TO 1958

[Excludes switching and terminal roads. Tons of 2,000 pounds. See text, p. 563, for explanation of change in class limits beginning 1956. See also *Historical Statistics, 1789-1945*, series K 43-52]

ITEM	1950	1955	1956	1957	1958 (prel.)
Average miles of road operated-----	225,839	222,205	221,845	221,639	220,836
Operating revenue----- mil. dol.	7,817	8,538	8,946	8,940	8,071
Per ton-mile----- cents	1.33	1.37	1.38	1.45	1.46
Per ton per road----- dollars	3.04	3.25	3.31	3.48	3.66
Revenue tons: Originated----- millions	1,354	1,393	1,447	1,380	1,190
Carried----- do	2,570	2,625	2,705	2,566	2,204
Carried 1 mile----- do	588,578	623,015	647,077	618,495	551,544
Miles per revenue ton per road (average haul)-----	229.0	287.6	239.2	241.0	250.2
Freight train miles----- millions	515	476	475	447	400
Freight train car-miles: Loaded, revenue and nonrevenue----- do	19,644	20,000	20,224	19,076	17,176
Empty----- do	10,140	11,054	11,335	11,604	10,883
Net ton-miles per train-mile ¹ -----	1,224	1,374	1,422	1,430	1,430
Net ton-miles per loaded car-mile ¹ -----	31.7	32.1	33.0	33.4	33.0
Train-miles per train-hour-----	16.8	18.6	18.6	18.8	19.2

¹ Revenue and nonrevenue freight.

Source: Interstate Commerce Commission; annual report, *Transport Statistics in the United States*, Part 1.

No. 743. RAILROADS (CLASS I)—REVENUE FREIGHT ORIGINATED AND GROSS FREIGHT REVENUE, BY COMMODITY GROUPS: 1940 TO 1958

[Carload freight only, except as specified. See text, p. 563, for explanation of change in class limits beginning 1956. See also *Historical Statistics, 1789-1945*, series K 52-59]

ITEM	1940	1945	1950	1955	1957	1958 (prel.)
REVENUE FREIGHT ORIGINATED (1,000 short tons)						
Total-----	1,009,421	1,424,913	1,354,196	1,396,339	1,380,327	1,190,353
Products of agriculture-----	88,821	159,571	129,175	138,790	137,618	146,746
Animals and their products-----	15,458	28,748	14,321	18,161	11,074	9,895
Products of mines-----	570,218	732,942	746,808	761,993	769,075	628,911
Coal and coke-----	372,603	485,109	420,206	394,304	422,042	343,897
Other-----	197,557	247,833	326,512	367,599	347,633	285,013
Products of forests-----	59,221	75,604	78,860	82,585	77,498	73,287
Manufactures and miscellaneous ¹ -----	262,010	412,216	374,145	397,819	379,020	327,112
All less than carload-----	14,692	20,838	10,887	6,993	5,443	4,402
GROSS FREIGHT REVENUE (\$1,000)						
Total-----	3,678,097	6,949,258	8,145,630	8,938,888	9,371,712	8,469,586
Products of agriculture-----	510,083	985,114	1,054,574	1,183,492	1,209,237	1,286,320
Animals and their products-----	172,599	270,443	275,858	294,402	269,711	246,555
Products of mines-----	1,076,410	1,486,683	1,993,687	2,121,426	2,390,167	1,985,404
Coal and coke-----	(2)	1,024,471	1,301,101	1,280,761	1,467,970	1,201,021
Other-----	(2)	462,212	692,586	840,665	922,107	783,759
Products of forests-----	235,805	316,154	590,826	686,821	654,214	646,060
Manufactures and miscellaneous ¹ -----	1,435,520	3,495,007	3,887,762	4,421,336	4,596,338	4,092,888
All less than carload-----	247,611	385,958	382,913	280,912	252,045	212,391

¹ Includes forwarder traffic.

² Not available.

Source: Interstate Commerce Commission; *Annual Report*.

No. 744. RAILROADS (CLASS I)—NUMBER OF CARS OF REVENUE FREIGHT LOADED, BY PRINCIPAL COMMODITIES: 1930 TO 1958

[In thousands. Figures are 52-week totals. See text, p. 568, for explanation of change in class limits beginning 1956.]

YEAR	Total	Grain and grain products	Livestock	Coal	Coke	Forest products	Ore	Miscel- laneous	Mds., less than carload
1930	45,878	2,265	1,285	7,927	488	2,369	1,602	17,681	12,201
1935	81,504	1,577	714	6,145	340	1,384	1,036	12,227	8,081
1940	86,358	1,835	685	6,820	549	1,800	2,148	14,842	7,670
1945	41,018	2,734	894	8,296	605	2,059	2,474	10,258	5,529
1950	38,903	2,400	491	7,240	727	2,226	2,520	18,955	4,299
1952	37,085	2,565	492	6,717	673	2,270	2,653	18,924	3,691
1953	38,216	2,453	451	6,371	688	2,254	3,143	10,360	3,496
1954	38,915	2,655	447	5,670	422	2,085	2,115	17,436	3,185
1955	37,636	2,633	441	6,508	616	2,275	2,846	19,087	3,230
1956	37,845	2,705	442	7,007	616	2,317	2,749	18,953	3,056
1957	35,500	2,674	343	6,749	575	1,995	2,863	17,551	2,750
1958	30,206	2,873	308	5,522	342	1,850	1,745	15,235	2,331

Source: Association of American Railroads, Car Service Division, Washington, D.C.; annual report, *Cars of Revenue Freight Loaded*. Weekly reports are published currently.

No. 745. RAILROADS (CLASS I)—SELECTED PASSENGER STATISTICS: 1950 TO 1958

[See text, p. 568, for explanation of change in class limits beginning 1956.]

ITEM	1950	1955	1956	1957	1958 (prel.)
Average miles of road operated	150,349	110,545	115,951	112,724	107,118
Passenger revenue	\$1,000	813,417	742,945	756,402	735,127
Revenue per passenger-mile:					
Including commutation passengers	cents	2.56	2.60	2.68	2.84
Excluding commutation passengers	do	2.46	2.70	2.78	2.95
Revenue passengers carried	1,000	486,194	481,099	428,510	411,172
Revenue passenger-miles	millions	31,760	28,523	28,190	25,889
Revenue passenger-miles per train-mile		89	95	96.9	93.9
Revenue passenger-miles per car-mile		17	18	18.1	18.6
Average journey per passenger per road-mile	miles	65.3	66.1	65.8	61.2
Passenger-train miles	1,000	357,618	298,602	290,853	275,766
Passenger-carrying car-miles	do	1,864,737	1,570,916	1,553,228	1,435,776
Train-miles per train-hour		37.4	39.8	40.0	40.2

Source: Interstate Commerce Commission; *Annual Report*, and *Transport Statistics in the United States*, Part 1.

No. 746. RAILROADS—NUMBER AND COMPENSATION OF EMPLOYEES: 1930 TO 1958

[Excludes switching and terminal roads. See also *Historical Statistics, 1789-1945*, series K 82-83.]

YEAR	ALL OPERATING CARRIERS		CLASS I CARRIERS ¹				
	Average number of employees	Total yearly compensation (\$1,000)	Average number of employees	Total hours (1,000)	Total yearly compensation (\$1,000)	Average hours per employee	Average compensation
						Per hour ²	Per year
1930	1,517,043	2,588,598	1,487,839	3,759,772	2,550,789	2,527	\$0.678 \$1,714
1935	1,013,654	1,666,229	904,371	2,397,353	1,643,879	2,411	.636 1,653
1940	1,045,738	1,990,631	1,026,848	2,615,905	1,904,125	2,548	.761 1,913
1945	1,438,646	3,900,928	1,419,505	3,979,637	3,862,001	2,804	.970 2,721
1950	1,236,870	4,044,800	1,220,401	2,876,501	4,504,423	2,357	1.597 3,765
1951	1,292,000	5,328,072	1,275,744	2,978,870	5,272,975	2,335	1.770 4,133
1952	1,241,963	5,382,489	1,226,421	2,845,217	5,326,804	2,320	1.872 4,343
1953	1,221,300	5,380,828	1,205,066	2,777,235	5,324,951	2,303	1.917 4,416
1954	1,078,484	4,906,584	1,084,337	2,467,515	4,853,000	2,318	1.967 4,500
1955	1,071,387	5,046,278	1,057,866	2,502,608	4,992,235	2,366	1.995 4,719
1956	1,058,555	5,387,631	1,042,664	2,466,745	5,324,072	2,366	2.159 5,107
1957	998,880	5,422,080	980,001	2,314,076	5,358,044	2,348	2.315 5,434
1958 (prel.)	(3)	(3)	840,575	1,980,533	4,920,000	2,356	2,439 5,865

¹ See text, p. 568, for explanation of change in class limits beginning 1956.

² Calculated for all classes of employees, including those not paid on an hourly basis.

³ Not available.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and beginning 1954, *Transport Statistics in the United States*, Part 1.

No. 747. RAILROAD ACCIDENTS—NUMBER OF PERSONS KILLED AND INJURED, BY STATUS: 1921 TO 1958

[As of December 31. For various reasons, including fact that returns were required under different acts, statistics are not strictly comparable. From 1921-47 train accidents were those causing damage to railroad property in excess of \$150 with or without a casualty; for 1948, accidents causing damages in excess of \$250, with or without a casualty, were classified as train accidents; for 1949-50, train accidents were those causing damage of \$275 or more; in 1951, \$300 or more; in 1952, \$325 or more; and beginning 1953, \$350 or more. Where damage was less than the amounts specified and there was a reportable casualty it was classified as a train-service accident. Covers all reportable accidents, including those due to suicide, mental derangement, and attempting to escape custody. See also *Historical Statistics, 1789-1945*, series K 84-93.]

YEARLY AVERAGE OR YEAR	TOTAL		PASSENGERS ¹		EMPLOYEES		OTHER PERSONS		TRESPASSERS	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
1921-1925	6,618	141,688	173	5,578	1,654	123,760	2,225	9,420	2,566	2,901
1926-1930	6,623	89,543	101	3,687	1,395	73,522	2,606	9,822	2,521	2,532
1931-1935	5,127	29,834	38	1,995	589	18,222	1,811	6,529	2,688	3,057
1936-1940	4,987	31,292	56	2,533	613	19,765	1,866	6,583	2,482	2,111
1941-1945	5,060	63,818	174	4,274	989	41,223	2,059	7,038	1,838	1,278
1946-1950	3,918	41,868	97	3,708	598	30,778	1,777	6,243	1,446	1,141
1951-1955	2,969	29,411	55	2,447	336	20,401	1,566	5,637	1,012	926
1947	4,285	48,810	79	4,246	701	36,880	1,903	6,602	1,512	1,191
1948	3,883	43,107	59	3,607	622	31,961	1,726	8,409	1,476	1,130
1949	3,426	32,123	37	2,545	450	22,993	1,614	5,506	1,325	1,079
1950	3,486	33,267	180	3,419	392	22,686	1,669	6,129	1,245	1,133
1951	3,469	34,454	150	3,184	432	24,266	1,693	5,963	1,184	1,011
1952	3,011	30,001	24	2,040	386	21,339	1,522	5,669	1,079	944
1953	3,039	29,214	49	2,503	843	20,170	1,571	5,677	1,076	964
1954	2,575	25,547	30	2,247	235	17,219	1,399	5,181	911	900
1955	2,849	27,846	24	2,253	282	19,011	1,646	5,765	807	817
1956	2,578	28,676	57	2,756	288	19,608	1,394	5,435	839	877
1957	2,393	18,688	15	1,568	195	12,246	1,441	4,259	742	617
1958 (prel.)	2,311	19,343	61	1,628	187	13,305	1,352	3,760	711	660

¹ Data cover passengers on trains and travelers not on trains. Casualties sustained in nontrain accidents included with "Other persons."

Source: Interstate Commerce Commission; annual report, *Accident Bulletin*.

No. 748. HIGHWAY GRADE CROSSINGS AND ACCIDENTS AT HIGHWAY GRADE CROSSINGS—AUTOMOBILE AND TOTAL CASUALTIES: 1935 TO 1958

[Covers all railroads, except as noted. Excludes casualties due to suicide, mental derangement, and attempting to escape custody. See also headnote, table 747]

YEAR	HIGHWAY GRADE CROSSINGS ¹			Number	ACCIDENTS						
	Total	Specially protected ²	Eliminated during year by separa- tion of grades		All persons		Involving automobiles ³				
					Number killed	Number injured	Persons killed	Persons injured	Total cas- ualties per 10,000 auto- mobiles registered		
1935	234,231	90,200	164	3,033	1,680	4,658	1,442	4,434	2.24		
1940	230,285	32,421	209	4,104	1,808	4,632	1,576	4,430	1.88		
1945	226,153	33,321	7	4,100	1,903	4,446	1,577	4,126	1.86		
1948	226,143	33,320	23	4,001	1,851	4,397	1,558	4,137	1.68		
1947	226,501	33,789	24	4,015	1,790	4,251	1,521	4,055	1.49		
1948	226,844	34,507	26	3,994	1,812	4,255	1,355	4,054	1.33		
1949	226,791	35,243	53	3,523	1,507	3,774	1,307	3,007	1.11		
1950	227,364	35,968	61	4,000	1,876	4,368	1,383	4,206	1.15		
1951	227,415	36,682	50	3,995	1,578	4,335	1,396	4,161	1.08		
1952	227,291	37,249	95	3,592	1,407	3,904	1,249	3,752	0.95		
1953	227,110	37,990	53	3,675	1,494	3,815	1,319	3,688	0.90		
1954	226,522	38,528	80	3,336	1,303	3,426	1,151	3,314	0.76		
1955	226,318	39,060	84	3,846	1,446	4,014	1,313	3,886	0.83		
1956	224,519	39,324	72	3,639	1,338	3,755	1,202	3,629	0.74		
1957	223,381	39,884	113	3,569	1,371	3,767	1,217	3,813	0.72		
1958 (prel.)	225,938	41,155	78	3,099	1,271	3,161	1,129	3,026	0.61		

¹ Class I railroads only.

² Includes crossings with operated gates or watchmen, or both, during at least part of day, and those with audible or visible signals, or both. Excludes those with fixed signs only.

³ Includes passenger automobiles, motortrucks, and motor buses.

Source: Interstate Commerce Commission; annual reports, *Accident Bulletin*, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

NO. 749. TRANSIT INDUSTRY—SUMMARY: 1935 TO 1957

[Calendar years except as noted. Comprises all organized local passenger transportation agencies except taxicabs, suburban railroads, and sightseeing and school buses. Covers (a) local motorbus lines, (b) electric street railways, (c) elevated and subway lines, (d) interurban electric railways, and (e) trolley coach lines. Based on financial and statistical reports received by American Transit Association from transit companies representing more than 85 percent of the industry]

ITEM	1935	1940	1945	1950	1953	1954	1955	1956	1957
Operating companies-----	(1)	(1)	1,253	1,406	1,605	1,557	1,483	1,326	1,324
Motor bus companies ² -----	(1)	(1)	1,164	1,354	1,565	1,550	1,450	1,305	1,304
Miles of route operated (Dec. 31):									
Electric railway—miles of single track-----	26,700	19,602	17,702	10,813	7,352	6,765	6,197	5,746	5,019
Surface-----	25,470	18,360	16,480	9,590	6,126	5,547	4,976	4,495	3,774
Subway and elevated-----	1,230	1,242	1,222	1,223	1,220	1,218	1,221	1,251	1,245
Trolley coach—miles of negative overhead wire-----	548	1,925	2,313	3,513	3,663	3,630	3,428	3,293	3,007
Motorbus—miles of route round trip-----	58,100	78,000	90,400	98,000	100,000	99,000	99,800	100,700	102,400
Passenger vehicles owned (Dec. 31):									
Electric railway cars-----	74,844	75,464	80,758	86,310	78,875	76,198	73,080	70,373	68,971
Surface-----	50,466	37,662	36,377	22,986	17,234	15,600	14,532	13,225	12,759
Subway-----	40,050	26,630	26,160	13,228	7,900	6,400	5,300	3,970	3,601
Elevated-----	10,416	11,032	10,217	9,758	9,244	9,200	9,282	9,255	8,158
Trolley coaches-----	578	2,802	3,711	6,504	6,941	6,598	6,187	5,748	5,412
Motor buses-----	23,800	35,000	49,670	66,820	54,700	54,000	52,400	51,400	50,800
Investment (Dec. 31)... mil. dol.	(1)	4,096	4,262	3,918	3,900	3,863	3,821	3,797	3,793
Electric railway-----do-----	(1)	3,588	3,620	3,080	2,980	2,942	2,902	2,880	2,870
Surface-----do-----	(1)	1,574	1,570	913	780	692	616	577	495
Subway and elevated-----do-----	(1)	2,014	2,050	2,147	2,220	2,260	2,286	2,303	2,385
Trolley coach-----do-----	(1)	68	76	144	170	165	180	148	143
Motorbus-----do-----	(1)	450	566	714	750	756	759	769	780
Operating finances:									
Operating revenue-----do-----	681	737	1,380	1,452	1,513	1,472	1,426	1,416	1,386
Operating expenses-----do-----	535	598	1,087	1,297	1,371	1,337	1,277	1,271	1,264
Percent of revenue-----	78.50	81.14	77.31	89.30	90.59	90.86	89.55	89.79	91.20
Net revenue... mil. dol.	146	139	313	155	142	135	149	145	122
Taxes (all)-----do-----	50	63	105	89	97	90	93	89	84
Operating income-----do-----	96	76	149	66	45	45	56	56	38
Percent of revenue-----	14.09	10.35	10.77	4.57	2.98	3.05	3.91	3.93	2.75
Operating revenues... mil. dol.	681	737	1,380	1,452	1,513	1,472	1,426	1,416	1,386
Electric railway-----do-----	620	456	710	573	490	473	440	411	383
Surface-----do-----	388	328	560	362	251	204	176	130	115
Subway and elevated-----do-----	132	128	149	216	240	269	264	271	268
Trolley coach-----do-----	6	25	68	122	151	142	131	128	117
Motorbus-----do-----	156	256	603	752	872	857	866	878	886
Revenue vehicle miles operated millions	2,312	2,506	3,254	3,008	2,696	2,540	2,448	2,367	2,290
Electric railway-----do-----	1,586	1,316	1,308	907	666	591	561	520	495
Surface-----do-----	1,148	845	940	463	274	215	178	133	107
Subway and elevated-----do-----	439	471	458	443	391	376	383	387	388
Trolley coach-----do-----	15	86	133	206	212	197	177	166	147
Motorbus-----do-----	711	1,195	1,722	1,895	1,819	1,761	1,710	1,681	1,648
Passengers carried-----do-----	12,226	13,098	23,254	17,246	13,902	12,392	11,529	10,941	10,389
Electric railway-----do-----	9,512	8,325	12,124	8,168	4,076	3,401	3,077	2,756	2,522
Surface-----do-----	7,276	5,943	9,426	3,904	2,086	1,480	1,207	876	679
Subway and elevated-----do-----	2,236	2,882	2,698	2,264	2,040	1,912	1,870	1,880	1,843
Trolley coach-----do-----	96	534	1,244	1,658	1,566	1,367	1,202	1,142	998
Motorbus-----do-----	2,618	4,239	9,886	9,420	8,266	7,624	7,250	7,043	6,874
Revenue passengers carried do	9,782	10,504	18,982	13,845	11,036	9,858	9,189	8,756	8,338
Electric railway-----do-----	7,408	6,465	9,636	4,903	3,306	2,820	2,586	2,374	2,197
Surface-----do-----	5,156	4,183	7,081	2,790	1,403	1,039	845	625	491
Subway and elevated-----do-----	2,252	2,282	2,565	2,118	1,903	1,781	1,741	1,749	1,700
Trolley coach-----do-----	77	419	1,001	1,261	1,137	993	869	814	703
Motorbus-----do-----	2,297	3,620	8,345	7,081	6,593	6,045	5,734	5,568	5,438
Number of employees (average)	209,200	202,400	242,000	240,000	220,000	211,000	198,000	188,000	177,000
Electric railway-----do-----	164,400	122,500	120,200	90,900	75,000	71,000	66,000	68,000	54,500
Trolley coach-----do-----	1,300	6,400	8,500	15,400	19,000	18,000	16,000	15,000	13,500
Motorbus-----do-----	43,500	73,500	104,300	133,700	126,000	122,000	116,000	113,000	109,000
Payroll, total... mil. dol.	321	360	632	835	913	895	864	852	840
Average annual earnings per employee dollars	1,536	1,773	2,612	3,470	4,150	4,242	4,364	4,581	4,746

¹ Not available.² Includes companies which do not operate motor buses exclusively; that is, those which have combined services such as trolley coach and motor bus, etc.

No. 750. MOTORBUS LINES—SUMMARY OF OPERATIONS OF COMMON CARRIERS AND SCHOOL BUSES: 1945 TO 1958

[Beginning 1956, not exactly comparable with earlier years as a number of short-haul intercity companies were reclassified as city-suburban]

ITEM	1945	1950	1954	1955	1956	1957	1958
COMMON CARRIER BUS OPERATIONS							
Number of operating companies (Dec. 31):							
City and city suburban.....	1,311	1,038	1,575	1,575	1,580	1,540	1,515
Intercity.....	2,645	2,858	2,625	2,600	1,912	1,700	1,670
Number of buses (Dec. 31):							
City and city suburban.....	50,625	57,570	55,700	55,200	52,400	51,500	52,500
Intercity.....	31,250	28,711	27,600	27,200	24,980	23,450	23,500
Miles of highway covered (Dec. 31): ¹							
City and city suburban.....	30,300	53,310	61,700	60,600	75,950	80,200	84,500
Intercity.....	363,000	400,284	398,300	410,000	297,060	250,400	264,000
Total bus miles (millions):							
City and city suburban.....	1,605	1,882	1,743	1,711	1,727	1,650	1,610
Intercity.....	1,560	1,500	1,480	1,375	1,225	1,222	1,170
Revenue passengers, line service (millions):							
City and city suburban ²	8,650	7,780	6,125	5,758	5,504	5,400	5,175
Intercity.....	1,092	815	669	612	535	516	465
Operating revenue (\$1,000):							
City and city suburban.....	644,600	798,938	803,405	880,987	915,257	898,800	894,635
Intercity.....	576,000	510,815	530,312	527,660	514,500	540,200	541,250
Taxes assignable to operations (\$1,000): ³							
City and city suburban.....	63,400	62,025	77,100	76,250	78,143	75,800	71,625
Intercity.....	41,850	42,508	42,530	43,078	41,650	44,150	46,050
Net operating revenue (\$1,000):							
City and city suburban.....	8,540	15,653	21,597	20,400	30,800	28,000	28,000
Intercity.....	37,962	34,019	36,182	36,825	36,350	35,800	35,800
Number of employees (Dec. 31): ⁴							
City and city suburban.....	129,048	121,200	115,600	117,000	116,750	114,650	114,650
Intercity.....	66,570	61,200	58,417	53,300	52,900	51,850	51,850
SCHOOL BUS OPERATIONS							
Number of schools and school districts using buses.....	40,000	43,813	45,266	44,233	42,864	47,157	47,376
Number of buses.....	80,000	104,179	134,072	137,552	142,977	150,160	166,096
Total bus-miles..... millions	1,725		1,089	1,148	1,200	1,239	1,315
Children carried daily..... 1,000	4,700	6,264	8,499	9,053	9,682	10,080	10,635
Cost of service annually..... \$1,000	93,500	180,183	295,718	312,730	328,078	346,000	384,000

¹ Includes duplication between carriers.

² Includes revenue transfer passengers.

³ Excludes income taxes.

⁴ Operating companies only.

Source: McGraw-Hill Publishing Co., Inc., New York, N. Y.; after 1956, published in *Fleet Owner*. (Earlier years published in predecessor magazine, *Bus Transportation*.)

NO. 751. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY—SUMMARY OF FINANCIAL AND OPERATING STATISTICS: 1950 TO 1957

[All money figures in thousands of dollars, except revenue and expense per vehicle-mile. See text, p. 563, for explanation of change in class limits beginning 1957.]

ITEM	1950	1954	1955	1956	1957
Number of carriers reporting	1,621	2,110	2,244	2,293	837
Investment in carrier operating property	747,756	1,289,684	1,514,971	1,706,171	1,488,599
Reserve for depreciation and amortization	309,430	652,879	735,704	816,444	705,632
Income statement:					
Operating revenue, total	2,879,713	3,431,017	4,030,291	4,290,170	3,835,624
Common carrier	2,180,779	3,107,870	3,821,933	3,877,748	3,564,136
Contract carrier	143,771	238,142	294,444	292,435	176,464
Other operating revenue	55,164	85,008	113,914	119,987	95,025
Expenses, total	2,215,006	3,323,108	3,869,862	4,140,766	3,702,312
Operation and maintenance expenses	1,968,089	2,991,909	3,496,521	3,717,807	3,324,374
Depreciation and amortization ¹	84,497	144,726	157,197	181,004	159,572
Operating taxes and licenses ²	103,408	186,473	216,134	241,954	218,366
Operating rents, net	59,012	(3)	(3)	(3)	(3)
Operating ratio (percent expenses of operating revenue)	98.1	96.9	96.0	96.5	96.5
Net operating revenue	184,707	107,909	180,439	149,405	133,312
Lease of distinct operating unit—Net	540	475	979	563	728
Other income, less income deductions	5,603	12,527	13,763	19,568	21,289
Net income before income taxes	158,565	94,906	145,697	129,484	111,295
Net income after income taxes	92,682	54,017	82,213	76,727	62,418
Dividend appropriations and withdrawals ³	23,482	29,636	28,547	25,116	17,679
Operating statistics and averages:					
Owned revenue vehicles, total ⁴	191,243	259,908	288,668	304,322	237,910
Intercity vehicle-miles millions	5,352	6,538	7,550	7,529	6,899
Tons of intercity revenue freight carried ⁵	1,000	212,997	271,367	313,583	330,394
Miles per owned vehicle	53,833	49,667	53,008	51,400	50,339
Revenue per vehicle-mile (intercity)	\$0.434	\$0.512	\$0.518	\$0.554	\$0.585
Expense per vehicle-mile (intercity) ⁶	\$0.414	\$0.508	\$0.512	\$0.550	\$0.579

¹ Amortization represents a very small part of this total.

² Excludes Federal and State income taxes.

³ Not available.

⁴ Withdrawals of sole proprietors and partners.

⁵ Excludes equipment used under lease, including operations conducted under "purchased transportation" arrangements.

⁶ Includes duplications on account of tonnage received from connecting motor carriers.

⁷ Basic figures include expenses of operating vehicles in local services not available separately.

NO. 752. CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY—SELECTED OPERATING STATISTICS, BY REGIONS: 1956 AND 1957

[See text, p. 563, for explanation of change in class limits, beginning 1957. Regions: 1, Conn., Maine, Mass., N. H., R. I., Vt.; 2, Del., D. C., Md., N. J., N. Y., Pa., W. Va.; 3, Ill., Ind., Mich. (Lower Pen.), Ohio; 4, Ala., Fla., Ga., Ky., Miss., N. C., S. C., Tenn., Va.; 5, Mich. (Upper Pen.), Minn., N. Dak., S. Dak., Wis.; 6, Iowa, Kans., Mo., Nebr.; 7, Ark., La., Okla., Tex.; 8, Colo., Idaho, Mont., N. Mex., Utah, Wyo.; 9, Ariz., Calif., Nev., Oreg., Wash.]

REGION AND YEAR	Number of carriers reporting	Operating revenue (\$1,000)	Total expenses (\$1,000)	OWNED REVENUE VEHICLES ¹				Inter-city vehicle miles (millions)	Average number	Compensation (\$1,000)
				Trucks	Truck-tractors	Semi-trailers	Full trailers			
1956										
1. New England	2,293	4,290,170	4,140,766	88,909	96,644	163,469	5,300	7,529	345,251	1,830,028
2. Middle Atlantic	187	203,280	200,784	2,982	5,787	9,147	52	251	20,264	104,911
3. Central	557	772,166	751,943	7,097	19,089	32,653	331	1,175	65,387	339,735
4. Southern	573	1,388,451	1,346,902	6,141	27,575	50,247	1,267	2,511	100,180	558,761
5. Northwestern	299	555,814	540,253	5,849	14,480	23,230	26	1,128	49,067	234,406
6. Midwestern	93	163,230	165,233	1,547	4,191	6,364	26	268	14,536	77,647
7. Southwestern	148	289,245	281,769	2,432	6,297	10,570	91	560	21,841	118,418
8. Rocky Mountain	152	331,684	316,444	4,383	8,054	11,703	72	659	28,750	142,822
9. Pacific	60	178,460	166,181	1,856	3,007	5,016	296	345	18,581	74,038
1957										
1. New England	837	3,835,624	3,702,312	28,564	76,529	130,936	2,781	6,399	296,032	1,665,588
2. Middle Atlantic	49	189,092	185,630	1,530	3,180	5,080	165	13,012	70,962	
3. Central	154	612,948	595,470	4,401	12,910	23,398	43	870	60,096	276,429
4. Southern	240	1,311,147	1,265,620	4,070	23,014	40,347	611	2,244	89,757	526,727
5. Northwestern	119	512,279	493,749	4,589	11,818	18,633	19	955	43,450	225,307
6. Midwestern	39	145,345	140,879	1,238	3,580	5,357	—	220	12,580	71,049
7. Southwestern	59	257,846	254,183	1,816	5,367	9,337	8	462	18,662	107,494
8. Rocky Mountain	68	321,111	305,982	3,697	7,123	9,889	72	636	28,451	142,850
9. Pacific	29	184,694	171,317	1,410	2,709	4,872	220	343	13,104	77,007
	71	351,161	330,581	5,313	6,823	13,158	1,808	514	28,914	107,163

¹ See footnote 5, table 751.

² Excludes drivers of equipment engaged by these carriers to perform "purchased transportation" service.

Source of tables 751 and 752: Interstate Commerce Commission; annual reports, *Statistics of Class I Motor Carriers*, and, beginning 1954, *Transport Statistics in the United States*, Part 7.

No. 753. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS—SUMMARY OF FINANCIAL AND OPERATING STATISTICS: 1950 TO 1957

[All money figures in thousands of dollars, except average fare and revenue and expense per vehicle-mile. See headnote, table 751. Excludes carriers subject to ICC jurisdiction engaged preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers.]

ITEM	1950	1954	1955	1956	1957
Number of carriers reporting	172	155	146	145	144
Investment in carrier operating property	286,000	361,648	372,801	379,476	411,865
Reserve for depreciation and amortization	144,489	194,698	187,076	207,508	217,071
Income statement:					
Operating revenue, total	360,751	362,896	361,644	377,175	400,020
Passenger revenue ¹	324,529	319,286	314,769	324,293	345,251
Special bus revenue	11,604	21,675	22,346	25,259	29,651
Other operating revenue	14,528	21,935	24,530	27,624	31,526
Expenses, total	314,773	331,310	330,593	342,778	370,509
Operation and maintenance expenses	264,905	271,378	269,660	279,231	305,167
Depreciation and amortization ²	27,188	25,925	27,117	28,621	28,195
Operating taxes and licenses ³	28,649	30,110	30,347	31,117	33,005
Operating rents, net	4,030	3,896	3,474	3,820	4,082
Operating ratio (percent expenses of operating revenue)	89.7	91.3	91.4	90.9	91.1
Net operating revenue	35,978	31,587	31,046	34,397	36,120
Lease of carrier property, net	100	69	58	55	27
Other income, less income deductions	766	911	1,086	495	153
Net income before income taxes	35,121	30,617	29,810	33,027	35,046
Net income after income taxes	18,908	15,017	15,570	17,273	19,593
Dividend appropriations and withdrawals ⁴	16,088	28,397	28,345	18,184	8,030
Operating statistics and averages:					
Passenger vehicles owned ⁵	13,200	12,314	11,547	11,062	11,301
Vehicle-miles of owned and leased passenger vehicles, total ⁶	1,000	958,530	886,579	859,207	868,503
Number of revenue passengers carried, total	do	389,898	315,919	293,244	277,813
Miles per vehicle ⁷	65,411	64,360	64,128	65,387	66,140
Average fare per passenger, per carrier, intercity service	\$1.010	\$1.292	\$1.370	\$1.613	\$1.695
Passenger revenue per vehicle-mile, regular route intercity	\$0.346	\$0.375	\$0.381	\$0.399	\$0.425
Expense per vehicle-mile ⁸	\$0.328	\$0.373	\$0.384	\$0.399	\$0.427

¹ Regular route intercity and local revenue.

² Amortization represents a very small part of this total.

³ Excludes Federal and State income taxes.

⁴ Withdrawals of sole proprietors and partners.

⁵ Total vehicles owned at close of year.

⁶ Includes bus-miles of vehicles operated under "purchased transportation" arrangements.

⁷ Averages for owned and leased vehicles.

⁸ See footnote 7, table 751.

No. 754. CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS—SELECTED OPERATING STATISTICS, BY REGIONS: 1956 AND 1957

[See headnote, table 753; for description of regions, see headnote, table 752]

REGION AND YEAR	Number of carriers reporting	Operating revenue (\$1,000)	Total expenses (\$1,000)	PASSENGER VEHICLES		Vehicle-miles (1,000)	Revenue passengers carried (1,000)	REGULAR-ROUTE INTERCITY		Aver- age number per carrier	Com- pensation (\$1,000)
				Total ¹	Inter-city ²			Revenue passengers carried (1,000)	Average fare per passenger, per carrier		
1956	145	377,175	342,778	12,547	11,595	762,289	200,816	\$1.513	35,553	163,673	
1. New England	9	4,301	4,196	189	188	9,127	3,674	.933	465	1,905	
2. Middle Atlantic	34	37,121	35,971	1,380	1,064	51,857	31,286	.756	3,657	16,140	
3. Central	26	77,780	73,355	2,407	2,115	143,302	45,504	1,396	7,743	36,402	
4. Southern	24	88,822	77,770	2,877	2,839	190,296	52,983	1,423	8,237	35,049	
5. Northwestern	4	27,222	25,574	762	762	67,922	11,413	2,036	2,414	12,153	
6. Midwestern	6	18,110	12,634	524	514	34,437	4,441	2,327	1,132	5,006	
7. Southwestern	24	60,882	54,639	2,525	2,503	149,537	26,918	1,881	5,848	25,786	
8. Rocky Mountain	8	4,424	3,023	257	256	9,901	2,104	1,721	409	1,879	
9. Pacific	10	64,004	54,718	1,020	1,059	116,910	22,403	2,218	5,648	29,354	
1957	144	406,629	370,509	12,789	11,741	764,128	191,628	1,695	36,163	177,923	
1. New England	12	5,622	5,620	282	244	11,265	4,474	.960	642	2,163	
2. Middle Atlantic	34	39,486	38,125	1,543	1,107	52,115	29,490	.854	3,584	17,247	
3. Central	27	107,954	103,821	3,088	2,777	193,089	53,516	1,659	10,187	52,140	
4. Southern	23	96,400	85,411	2,862	2,847	192,266	50,500	1,601	8,356	38,921	
5. Northwestern	3	1,336	1,188	72	72	3,332	443	2,138	111	464	
6. Midwestern	6	14,340	13,245	525	515	33,549	3,931	2,743	1,160	5,183	
7. Southwestern	24	64,140	57,736	2,488	2,460	145,273	25,175	2,106	5,840	27,036	
8. Rocky Mountain	7	4,652	3,041	283	283	9,544	1,028	1,019	403	1,918	
9. Pacific	8	72,650	61,422	1,696	1,436	123,604	22,171	2,578	5,990	32,852	

¹ Comprises average number operated in intercity service during year and number owned in local operations at close of year.

² Comprises vehicles owned, leased, and operated under "purchased transportation" arrangements, operated in intercity revenue service.

Source of tables 753 and 754: Interstate Commerce Commission; annual reports, *Statistics of Class I Motor Carriers*, and, beginning 1954, *Transport Statistics in the United States*, Part 7.

No. 755. SUMMARY OF CIVIL FLYING: 1934 TO 1958

[As of Dec. 31 or for year ending Dec. 31. See also *Historical Statistics, 1789-1945*, series K 246-273]

ITEM	1934	1940	1945	1950	1955	1957	1958
Miles of Federal airways: ¹							
Equipped with low/medium frequency radio aids.....	19,081	32,100	43,285	70,253	67,770	64,817	57,705
Equipped with very high frequency radio aids.....					81,209	104,484	124,870
Total civil aircraft ²	8,322	17,928	37,789	92,809	86,320	93,189	98,863
Active aircraft.....	(3)	(3)	(3)	60,921	60,432	67,153	69,718
Hours flown ³	1,000	846	3,200	(3)	6,650	6,500	10,938
Business ⁴	do	121	314	(3)	5,2,750	4,300	4,864
Commercial ⁷	do	207	387	(3)	5,1,500	5,1,950	5,5,300
Instructional.....	do	217	1,529	(3)	5,3,000	5,1,275	5,2,200
Pleasure.....	do	301	970	(3)	5,2,300	5,1,975	5,2,000
Other.....	do			(3)	5,100		88
Miles flown ⁴	1,000	75,602	264,000	(3)	5,1,061,500	5,1,216,000	5,1,544,000
Business ⁵	do	11,697	25,910	(3)	5,339,700	5,627,800	5,787,000
Commercial ⁷	do	20,980	31,961	(3)	5,180,500	5,245,700	5,278,000
Instructional.....	do	17,360	126,264	(3)	5,286,600	5,120,050	5,202,375
Pleasure.....	do	26,505	79,865	(3)	5,244,100	5,221,850	5,240,950
Other.....	do			(3)	5,10,000		12,760
Fuel consumed: ⁶							
Gasoline.....	1,000 gal.	9,631	22,400	(3)	5,181,200	5,190,000	5,209,868
Oil.....	do	349	600	(3)	5,2,916	5,3,450	5,3,700
Certificated airplane pilots.....	13,949	69,829	296,805	(3)	643,201	702,519	731,078
Airline transport.....	576	1,431	5,815	(3)	13,700	16,900	18,303
Commercial.....	7,484	18,791	162,873	(3)	211,142	237,149	245,541
Private.....	5,789	40,007	128,207	(3)	418,359	448,470	467,234
Other certificated airmen:							
Glider pilots.....	109	138	2,488	(3)	3,059	3,987	4,271
Mechanics.....	8,156	11,177	27,272	(3)	91,001	102,691	107,072
Parachute riggers.....	358	444	1,020	(3)	2,859	2,450	2,543
Ground instructors.....	50	1,948	15,195	(3)	27,080	27,825	28,306
Aids to air navigation (Federal airways): ¹							
Radio range stations.....	112	292	360	749	768	818	885
Low/medium frequency.....	112	200	344	378	344	332	329
Very high frequency.....		2	16	371	424	480	556
Nondirectional radio beacons.....	73	48	88	141	175	185	191
Airport towers.....				107	172	100	110
Airways centers.....		11	29	31	31	33	32
Combined station/towers.....					75	81	84
Air traffic communications stations.....	205	365	438	451	364	350	346
Instrument landing systems.....		1	9	96	157	165	171
Airports in operation ⁸	2,297	2,331	4,028	6,403	6,830	6,412	6,018
General ⁹					2,713	3,195	3,032
Limited and restricted ⁹					4,126	3,217	3,086
Lighted airports.....	664	776	1,007	1,670	1,247	1,713	1,809
Aircraft accidents (non-air-carrier) ¹⁰	1,491	3,471	4,659	4,505	3,343	4,202	4,284
Aircraft destroyed.....	387	433	792	1,527	798	708	780
Substantial damage.....	1,113	2,505	3,818	2,947	2,500	3,420	3,462
Minor and no damage.....	19	533	42	31	36	65	22
Degrees of injury to persons in aircraft accidents (non-air-carrier):							
Fatal.....	323	359	508	871	619	801	688
Severe.....	130	327	446	646	347	391	308
Minor and no injury.....	2,226	4,744	6,290	6,283	4,974	6,262	6,661

¹ Continental United States and outlying areas.² Includes gliders.³ Not available. ⁴ Excludes all aircraft operated by scheduled airlines and by FAA.⁵ Data statistically computed from trend, since no formal survey was conducted.⁶ Includes flying for corporate or executive purposes as well as flying by individuals, including farmers and ranchers, on personal business.⁷ Includes contract, charter, industrial, and commercial agricultural flying.⁸ Existing airports and airfields recorded with FAA. "Limited" includes seaplane bases and heliports.⁹ See footnote 4, table 765, for current definitions.¹⁰ For 1934, detail shown is number of planes involved in accidents; for other years, number of accidents.

No. 756. SCHEDULED AIR CARRIERS—SUMMARY OF OPERATIONS: 1934 TO 1958
 [As of Dec. 31 or for year ending Dec. 31, except as noted. See also *Historical Statistics, 1789-1945*, series K 246-278]

ITEM	1934	1940	1945	1950	1955	1957	1958
Number of operators:							
Domestic	24	19	20	38	81	30	30
International	2	3	4	12	15	14	15
Route miles in operation:	50,801	95,079	87,401	183,841	192,907	222,209	228,513
Domestic	28,609	42,737	48,510	77,440	78,992	88,325	89,747
International	22,192	52,322	38,885	106,401	114,005	133,584	138,768
Aircraft in service:	522	437	518	1,120	1,359	1,064	1,729
Domestic	423	369	421	960	1,212	1,494	1,540
Single-engine			11	29	19	26	22
Twin-engine			405	571	645	703	692
Four-engine			5	360	548	765	832
International	90	68	97	160	147	170	183
Twin-engine			71	35	23	12	6
Four-engine			26	125	124	168	177
Average available seats: ¹	8.86	16.54	19.68	37.47	51.60	53.99	55.79
Domestic	(4)	18.28	18.91	40.96	56.33	61.88	64.35
Average speed (miles per hour):							
Domestic	(4)	(4)	155.4	181.2	209.0	216.1	210.6
International	(4)	(4)	150.7	218.4	245.4	254.0	257.8
Fuel consumed:							
Gasoline	1,000 gal.	25,136	74,535	159,911	572,246	1,140,447	1,465,040
Domestic	do	18,025	65,675	134,824	418,442	902,936	1,159,208
International	do	6,211	8,800	25,087	153,804	237,511	305,832
Jet fuel, domestic	do				1,827	80,909	80,938
International	do						4,884
Oil	do	839	1,258	2,025	6,675	13,882	18,732
Domestic	do	669	1,104	1,710	5,007	11,311	15,124
International	do	170	184	316	1,668	2,521	3,008
Total personnel employed:	6,477	22,051	68,281	82,786	122,203	147,190	147,150
Domestic	4,201	15,934	50,813	61,903	95,548	119,333	119,746
International	2,276	6,007	17,968	20,883	26,655	27,857	27,404
Revenue miles flown (all scheduled services):	1,000	49,065	119,763	241,578	458,087	752,255	941,344
Domestic	do	41,526	110,101	208,969	364,256	620,720	784,752
International	do	7,539	9,652	32,609	93,831	131,535	156,592
Revenue passengers carried:	do	5,472	5,2,065	7,052	19,019	41,441	52,886
Domestic	do	5,475	5,2,523	6,578	17,345	38,025	48,404
International	do	6,97	103	476	1,675	3,416	4,422
Revenue passenger-miles flown, domestic	1,000,000	7,100	1,052	3,362	8,003	19,819	25,340
Average passenger-mile rate:							
Domestic	\$0.050	\$0.0507	\$0.0495	\$0.0555	\$0.0635	\$0.0630	\$0.0663
International	(4)	\$0.0883	\$0.0867	\$0.0728	\$0.0668	\$0.0657	\$0.0640
Express and freight, ton-miles flown:	1,000	(4)	(4)	30,914	211,914	310,040	389,818
Domestic	do	697	3,476	22,197	151,351	228,072	266,483
International	do	(4)	(4)	8,718	60,563	90,969	128,385
Mail, ton-miles flown:							
Domestic	do	10,2,237	10,118	11,65,093	47,009	87,445	98,875
Accidents, domestic: ¹²							
Number of accidents	71	30	40	39	45	53	48
Revenue miles flown per accident	1,000	585	3,684	5,234	9,859	14,230	15,699
Total fatalities	29	45	88	109	179	34	17,028
Fatalities per 1,000,000 revenue miles flown	0.70	0.41	0.42	0.28	0.28	0.04	0.17
Accidents, International: ¹²							
Number of accidents	2	6	5	6	5	9	12
Revenue miles flown per accident	1,000	3,770	1,600	6,523	15,986	28,984	19,958
Total fatalities	9		27	56	4	44	10
Fatalities per 1,000,000 revenue miles flown	1.19		0.83	0.58	0.03	0.25	0.05

¹ 1934 as of Dec. 31; 1940 and 1945, averages for December; and 1950-58, based on fourth quarter.

² 1934 and 1940, as of Dec. 31; 1945, average for December; and 1950-58, based on fourth quarter.

³ Obtained by dividing passenger seat miles by revenue miles flown in passenger service.

⁴ Not available.

⁵ Data for domestic passengers include duplication.

⁶ Includes nonrevenue passengers.

⁷ Includes nonrevenue miles.

⁸ Excludes freight flown by certificated all-cargo operators and irregular carriers.

⁹ Excludes Colonial Airlines, Inc., and Hawaiian Airlines, Ltd.

¹⁰ Excludes 224,236 ton-miles flown by U. S. Army.

¹¹ Excludes regular mail carried under special contract.

¹² Revenue operations accidents. Beginning 1950, includes scheduled cargo carriers.

Source: Federal Aviation Agency and Civil Aeronautics Board. Published in *FAA Statistical Handbook of Aviation*.

SCHEDULED AIR CARRIERS

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No. 757. SCHEDULED AIR CARRIERS—AVAILABLE SERVICE AND UTILIZATION, AND TRAFFIC CARRIED: 1946 TO 1958

[In millions]

ITEM	1946 ¹	1950	1951	1952	1953	1954	1955	1956	1957	1958
SERVICE AND UTILIZATION										
Available ton miles.....	1,203	2,412	2,820	3,349	3,935	4,442	5,236	6,087	7,122	7,266
Revenue ton miles.....	787	1,384	1,729	1,986	2,267	2,530	3,022	3,527	4,032	4,075
Ton mile load factor..... percent	65.53	67.39	61.33	59.31	67.60	56.06	57.72	67.95	66.32	68.08
Available seat miles.....	9,110	16,834	20,010	24,115	28,935	33,343	38,545	43,646	51,023	53,059
Revenue passenger miles.....	7,049	10,241	13,202	16,619	18,234	20,599	24,340	27,612	31,243	31,482
Passenger load factor..... percent	77.37	60.84	65.98	64.77	63.02	61.78	63.15	63.26	61.23	59.32
Revenue plane miles.....	369	477	526	580	650	689	779	808	975	972
TRAFFIC CARRIED (revenue ton-miles)										
Total.....	787	1,384	1,729	1,986	2,267	2,530	3,022	3,527	4,005	4,075
Passenger ²	683	1,000	1,283	1,515	1,764	1,988	2,347	2,662	3,011	3,021
U. S. mail:										
Priority.....	39	69	87	93	98	108	128	137	144	160
Nonpriority.....										
Express.....	39	82	42	42	44	41	51	53	46	49
Freight.....	15	189	254	288	304	312	383	451	508	502
Charter flights.....										
Excess baggage.....	12	22	21	25	29	33	37	43	50	48

¹ Excludes Alaskan and all cargo airlines.² Passenger miles converted to ton-miles on basis of about 10 to 1; that is, 10 passengers with allowable free baggage are accepted as equalling 1 ton.Source: Air Transport Association of America, Washington, D.C.; *Air Transport Facts and Figures*, and records.No. 758. SCHEDULED AIR CARRIERS—OPERATING REVENUES AND EXPENSES:
1945 TO 1958

[In millions of dollars]

ITEM	DOMESTIC AIR CARRIERS					INTERNATIONAL AIR CARRIERS				
	1945	1950	1955	1957	1958	1945	1950	1955	1957	1958
Net operating income.....	34.1	68.2	124.1	41.5	97.2	7.8	11.8	18.6	27.7	10.6
Operating revenues.....	214.7	557.8	1,201.3	1,515.1	1,623.9	69.1	260.1	385.2	496.9	514.3
Passenger.....	168.5	444.5	1,080.6	1,342.6	1,428.6	38.9	100.7	295.4	378.9	387.3
Mail (incl. subsidy).....	33.7	63.8	55.5	69.7	77.4	12.2	55.7	27.2	28.9	32.7
Express and freight.....	10.8	35.1	61.1	67.2	78.4	7.3	21.7	32.0	41.6	44.0
Excess baggage.....	2.3	5.1	12.2	18.5	19.3	1.0	3.2	7.4	9.1	8.8
Other.....	1.4	9.3	11.0	17.2	22.8	9.1	18.0	23.1	38.4	41.6
Operating expenses.....	180.6	494.6	1,077.1	1,473.7	1,526.7	61.8	248.3	366.6	469.0	503.7
Aircraft.....	60.2	241.1	561.7	906.3	923.9	22.9	122.8	171.4	272.8	291.9
Flying operations.....	43.4	141.8	323.2	464.6	470.7	15.3	71.0	109.0	147.1	158.5
Direct maintenance flight equipment ¹	16.4	57.8	135.5	289.5	308.0	5.2	26.2	34.9	74.7	82.0
Depreciation flight equipment.....	0.4	41.4	92.9	152.2	145.2	2.4	25.6	27.6	51.0	51.4
Ground and indirect expense.....	111.4	253.6	525.5	587.3	602.7	38.8	125.5	195.1	196.4	211.8

¹ Beginning 1956, includes maintenance formerly reported as ground and indirect expense.

No. 759. PERSONNEL OF DOMESTIC SCHEDULED AIR CARRIERS: 1934 TO 1958

[See also *Historical Statistics, 1789-1945*, series K-250, for total personnel]

TYPE OF PERSONNEL	1934	1940	1945	1950	1955	1956	1957 ¹	1958
Total.....	4,201	15,984	50,313	61,903	95,548	103,489	119,333	119,746
Pilots and copilots.....	687	1,930	4,967	5,785	8,721	9,143	11,430	11,287
Other flight personnel.....		18	108	776	1,721	2,241	3,135	3,092
Purrs, stewards, stewardesses.....		914	2,075	3,372	5,010	6,514	7,939	8,262
Meteorologists and dispatchers.....		193	2,613	2,450	2,548	2,614	3,037	2,970
Mechanics.....	1,650	4,054	10,844	15,788	23,776	25,789	26,153	24,996
Other hangar and field personnel.....	923	1,880	7,012	9,822	15,872	17,317	20,406	20,454
Office employees.....	961	5,855	19,241	21,804	34,143	36,841	25,425	25,368
All others.....		1,131	3,458	2,016	2,843	3,080	12,808	12,817

¹ Groups not strictly comparable with prior years because of change in reporting procedures.Source of tables 758 and 759: Federal Aviation Agency and Civil Aeronautics Board. Published in *FAA Statistical Handbook of Aviation*.

No. 760. NONCERTIFICATED AIR CARRIERS—SUMMARY OF OPERATIONS: 1953 TO 1957

[In thousands, except number of operators. Noncertified air carriers are those carriers operating by authority of letters of registration granted by the Civil Aeronautics Board. Includes domestic and international, supplemental and large irregular passenger air carriers, and irregular transport air carriers. Figures shown for military cover activities performed under charter or other contract with the Department of Defense]

ITEM	1953	1954	1955	1956	1957
Number of operators.....	(1)	(1)	50	48	37
Revenue miles.....	45,872	35,769	40,330	42,381	32,042
Commercial.....	17,246	15,153	17,376	15,860	11,177
Military.....	28,426	20,616	22,954	26,521	21,765
Revenue passengers.....	724	695	789	663	695
Revenue passenger-miles.....	1,256,911	1,243,020	1,395,682	1,004,052	767,287
Commercial.....	650,286	585,410	716,096	628,876	429,807
Military.....	606,625	577,620	679,586	376,176	337,480
Available seat-miles.....	1,690,433	1,513,213	1,707,162	1,382,573	1,120,878
Revenue cargo ton-miles.....	75,279	52,087	74,601	110,377	88,707
Commercial.....	11,036	18,355	21,191	19,262	8,697
Military.....	64,243	33,732	53,410	91,115	78,010
Available ton-miles.....	239,674	230,865	307,932	268,712	210,267
Operating revenue.....	\$70,028	\$54,661	\$76,824	\$67,600	\$50,436
Transport.....	65,684	51,798	66,923	60,974	44,030
Passenger.....	21,025	18,325	20,494	17,984	10,760
Freight.....	2,651	4,274	3,743	3,134	875
Contract and charter:					
Commercial.....	6,556	3,250	6,993	6,507	7,553
Military.....	35,139	25,673	35,133	33,109	24,619
Other.....	323	276	560	240	233
Other than transport.....	4,334	2,863	9,901	6,635	6,406
Operating expenses.....	69,671	58,482	78,067	68,058	55,206
Direct flight.....	46,357	39,512	49,149	46,110	37,643
Other.....	23,314	18,970	23,918	21,948	17,563
Operating profit or loss.....	357	-3,821	3,757	-449	-4,770

¹ Not available.

Source: Civil Aeronautics Board; records.

No. 761. EMPLOYMENT, HOURS, AND EARNINGS IN AIRCRAFT INDUSTRIES (ANNUAL AVERAGES): 1948 TO 1958

ITEM	1948	1950	1953	1954	1955	1956	1957	1958
EMPLOYMENT¹ (1,000)								
Total.....	237.7	281.8	779.1	764.1	740.5	809.3	861.7	757.6
Aircraft.....	158.0	188.4	472.4	470.0	471.2	494.4	522.3	457.2
Aircraft engines and parts.....	48.6	55.8	174.7	150.4	147.1	167.1	170.1	152.6
Aircraft propellers and parts.....	7.7	8.3	17.7	15.8	18.8	16.9	20.5	18.3
Other aircraft parts and equipment.....	23.3	29.3	114.2	118.9	113.0	130.9	139.8	129.5
HOURS AND EARNINGS								
Average weekly hours:								
Aircraft industries.....	41.1	41.4	41.3	40.9	41.2	41.8	40.7	40.6
Aircraft engines and parts industries.....	40.0	42.1	43.0	40.7	41.0	42.5	41.2	40.4
Average weekly earnings:								
Aircraft industries.....	\$60.21	\$67.15	\$82.19	\$85.07	\$89.40	\$94.80	\$95.65	\$101.91
Aircraft engines and parts industries.....	\$63.40	\$71.40	\$87.29	\$85.06	\$88.97	\$96.90	\$98.23	\$102.62
Average hourly earnings:								
Aircraft industries.....	\$1.47	\$1.62	\$1.99	\$2.08	\$2.17	\$2.27	\$2.35	\$2.51
Aircraft engines and parts industries.....	\$1.55	\$1.70	\$2.03	\$2.09	\$2.17	\$2.28	\$2.39	\$2.54

¹ Data for week ending nearest middle of month.

Source: Department of Labor, Bureau of Labor Statistics. Published in *F.A.A. Statistical Handbook of Aviation*.

NO. 762. DOMESTIC AIR CARGO—TON-MILES FLOWN, BY TYPE OF CARRIER: 1950 TO 1958

[In thousands of ton-miles. For scheduled combination carriers, comprises express and freight ton-miles; for all-cargo and noncertificated carriers, freight only]

YEAR	Total, all carriers	SCHEDULED COMBINATION CARRIERS ¹			SCHEDULED ALL-CARGO CARRIERS			Non- certi- fied carriers ³
		Total	Sched- uled	Non- sched- uled ²	Total	Sched- uled	Non- sched- uled ²	
1950	220,030	152,327	150,718	1,600	63,699	58,420	5,170	13,113
1951	239,547	142,805	142,069	136	79,056	74,610	4,446	17,080
1952	250,375	159,673	159,514	159	86,447	81,829	4,618	10,255
1953	275,916	176,497	176,428	69	81,330	74,579	6,761	18,089
1954	272,725	186,721	186,615	106	62,205	58,089	4,200	23,709
1955	379,414	226,689	226,425	264	112,669	88,802	23,807	40,056
1956	444,890	243,971	243,658	318	142,123	103,622	38,601	58,805
1957	515,272	265,107	264,947	160	202,990	127,282	75,708	47,175
1958	523,303	291,018	290,483	535	170,076	92,713	78,263	61,309

¹ Domestic trunk, local service, and helicopter carriers.

² Includes some military ton-miles and may include a small amount of international traffic.

³ Civil and military.

Source: Federal Aviation Agency and Civil Aeronautics Board.

NO. 763. CIVIL AIRCRAFT SHIPMENTS: 1948 TO 1958

ITEM	1948	1950	1953	1954	1955	1956	1957	1958
Aircraft shipments	7,302	3,520	4,134	3,389	4,820	7,205	6,805	6,882
Under 3,000 lbs. airframe weight	7,039	3,391	3,825	3,008	4,575	6,778	6,208	6,522
3,000 lbs. airframe weight and over	263	129	809	291	245	427	597	360
Airframe weight, total	10,083	5,961	10,874	10,494	10,231	16,202	21,810	16,658
Value of complete units, total	\$1,000	114,207	100,097	244,418	295,738	271,250	454,156	700,831
Aircraft shipments, by size:								
1- and 2-place	3,302	1,020	753	2,982	786	948	1,178	1,012
3- to 5-place	3,737	2,362	3,068	3,686	5,557	4,783	5,355	
Over 5-place	263	129	312	407	448	700	844	515
Aircraft shipments, by horsepower: ¹								
1 to 99	2,990	597	100	2,968	4,144	225	445	324
100 to 399	4,026	2,789	3,722	4,144	6,067	5,300	5,807	
400 and over	280	134	312	421	676	923	994	691

¹ Total rated horsepower of all engines.

NO. 764. CIVIL AIRCRAFT EXPORTS: 1948 TO 1958

ITEM	1948	1950	1953	1954	1955	1956	1957	1958
NUMBER								
New fixed-wing aircraft	1,026	456	863	630	848	1,118	1,204	1,028
Transports	91	48	87	110	95	151	204	128
Utility aircraft	935	408	776	529	749	966	1,086	896
Commercial and civilian, n. e. c. ¹					4	1	4	4
Used and surplus utility planes ²	202	262	416	340	800	536	627	595
Rebuilt, including converted								
Rotary-wing aircraft	47	38	98	74	66	57	104	67
New air-cooled reciprocating engines ³	460	205	347	728	807	1,371	1,516	1,552
VALUE (\$1,000)								
New fixed-wing aircraft	41,530	42,697	84,646	97,514	88,574	143,940	193,797	159,435
Transports	37,395	40,444	79,176	93,010	81,144	132,929	180,051	147,109
Utility aircraft	4,141	2,253	5,470	4,504	7,422	11,009	13,141	12,111
Commercial and civilian, n. e. c. ¹					8	2	5	126
Used and surplus utility planes ²	652	606	1,484	1,178	37,185	22,932	43,239	35,818
Rebuilt including converted								
Rotary-wing aircraft	1,933	984	4,873	4,044	4,165	4,225	11,907	9,563
New air-cooled reciprocating engines ³	320	201	708	1,516	2,010	3,529	3,860	4,312

¹ "N. e. c." means not elsewhere classified.

² Through 1954, excludes those of 3,000 pounds and over, empty airframe weight.

³ Excludes those of 400 horsepower and over.

Source of tables 763 and 764: Department of Commerce, Bureau of the Census, and Federal Aviation Agency. Published in *F.A.A. Statistical Handbook of Aviation*.

No. 765. CIVIL AIRWAYS MILEAGE, CIVIL AIRCRAFT, AIRPORTS, AND FEDERAL-AID AIRPORT PROGRAM, BY STATES AND FOR OTHER AREAS: 1958

[As of December 31, except as noted]

STATE OR OTHER AREA	CIVIL AIRWAYS MILEAGE		CIVIL AIRCRAFT ³		AIRPORTS AND AIRFIELDS ⁴		FEDERAL-AID AIRPORT PROGRAM ⁶ (\$1,000)			
	L/MF ¹	VHF ²	Total	Active	Total	General	Limited ⁵	Total	Federal funds	Sponsor funds
Cont. U.S.	49,618	123,846	96,665	68,342	5,688	2,748	2,940	881,787	430,858	450,929
Alabama	1,273	2,306	893	635	68	33	35	13,564	6,771	6,793
Arizona	1,154	3,514	1,438	908	106	48	58	12,899	7,550	5,349
Arkansas	441	1,742	1,259	826	78	42	36	7,680	3,797	3,802
California	3,246	6,886	12,626	8,556	395	200	195	81,854	38,012	42,042
Colorado	803	3,242	1,384	1,021	81	42	39	10,908	5,328	5,642
Connecticut	463	853	759	522	28	21	7	5,946	2,978	2,008
Delaware	129	148	306	221	20	10	10	578	292	286
District of Columbia	13	3	519	345	1	1				
Florida	2,144	4,744	3,621	2,393	140	93	47	33,982	16,326	17,656
Georgia	930	2,737	1,853	915	94	45	49	22,028	11,006	10,957
Idaho	782	1,693	886	664	152	31	121	4,600	2,537	2,063
Illinois	1,269	4,779	5,222	3,801	241	105	136	58,431	28,412	30,010
Indiana	961	3,268	2,669	1,991	128	100	28	15,755	7,522	8,233
Iowa	451	2,527	1,997	1,038	150	72	78	13,986	6,900	7,086
Kansas	1,148	3,255	2,577	1,923	171	88	83	7,498	3,679	3,819
Kentucky	639	2,131	694	530	33	21	12	15,387	7,045	7,742
Louisiana	1,078	1,497	1,629	1,100	69	40	29	25,429	11,356	14,073
Maine	1,101	637	487	324	86	27	50	4,017	2,006	2,011
Maryland	714	802	906	625	41	28	13	9,912	4,950	4,962
Massachusetts	637	864	1,354	905	80	48	32	20,370	9,793	10,577
Michigan	2,216	2,419	3,868	2,833	187	116	71	37,752	17,163	20,589
Minnesota	1,021	1,758	2,638	1,000	189	77	112	24,431	12,044	12,387
Mississippi	751	1,273	1,046	654	73	39	34	8,554	3,194	3,360
Missouri	813	3,517	2,290	1,651	109	60	49	30,470	14,948	15,522
Montana	1,430	2,270	1,264	974	137	47	90	4,667	2,519	2,148
Nebraska	925	2,312	1,502	1,177	171	58	113	9,407	4,876	4,731
Nevada	710	2,003	481	314	50	20	30	8,381	5,224	3,157
New Hampshire	387	202	278	181	28	17	11	1,830	914	916
New Jersey	699	1,183	1,999	1,292	93	55	38	21,110	9,015	12,095
New Mexico	1,490	4,108	983	719	81	32	49	6,371	3,546	2,825
New York	692	4,544	4,738	3,240	216	97	119	64,130	20,841	34,289
North Carolina	983	2,688	1,716	1,168	99	59	40	12,390	6,224	5,168
North Dakota	877	1,102	949	628	137	31	106	3,631	1,817	1,814
Ohio	1,431	5,135	4,388	3,076	245	135	110	36,768	17,808	18,945
Oklahoma	954	2,061	2,000	1,437	112	61	61	16,797	8,493	8,304
Oregon	920	2,183	1,798	1,342	128	39	89	15,003	7,632	7,431
Pennsylvania	1,837	6,309	3,513	2,490	250	137	113	53,199	26,137	27,062
Rhode Island	131	208	192	145	10	6	4	5,483	2,660	2,823
South Carolina	858	1,871	549	383	64	32	32	3,638	1,830	1,808
South Dakota	751	1,538	1,008	757	69	36	33	3,527	1,876	1,631
Tennessee	723	1,805	1,102	765	47	36	11	21,427	10,720	10,707
Texas	3,972	10,373	8,227	5,935	464	207	257	54,060	26,516	27,553
Utah	1,031	3,006	611	442	56	27	29	10,595	5,004	4,691
Vermont	218	52	163	109	23	10	13	1,983	938	995
Virginia	1,401	3,418	1,274	916	87	45	42	11,610	5,834	5,785
Washington	1,052	1,277	2,504	1,764	165	55	110	16,789	8,195	8,594
West Virginia	211	2,533	509	384	43	20	23	10,145	5,053	5,092
Wisconsin	380	1,234	1,964	1,494	141	74	67	21,118	10,302	10,816
Wyoming	1,368	2,951	532	400	52	25	27	3,573	2,030	1,543
Alaska	6,673	—	1,863	1,179	297	159	138	10,031	7,285	2,746
Hawaii	1,419	1,024	186	111	22	16	6	13,027	5,006	7,931
Other areas	—	—	178	86	11	9	2	12,087	6,416	5,671

¹ L/MF—Low/Medium Frequency; radio navigational aids operating between 200 and 400 kilocycles.² VHF—Very High Frequency; radio navigational aids operating on 108 through 118 megacycles.³ Includes gliders.⁴ Includes military. Airport type definitions: Effective Apr. 15, 1958, type definitions of airports were revised as follows: General use—airports serving as regular, alternate, or provisional stops for scheduled and large irregular air carriers; non-air-carrier airports offering a minimum of services such as fuel and regular attendant during normal working hours; and airports operating seasonally which qualify under above definition. Limited use—airports available to public but not equipped to offer minimum services. Restricted use—use by general public prohibited except in case of forced landing or by previous arrangement. As of April 1, 1959.⁵ Includes restricted use airports, seaplane bases, and heliports.⁶ Cumulative since enactment of Federal Airport Act, May 16, 1946, through Dec. 31, 1958.Source: Federal Aviation Agency; *FAA Statistical Handbook of Aviation*.

No. 766. PETROLEUM PIPELINE COMPANIES—SUMMARY OF SELECTED FINANCIAL DATA: 1930 TO 1957

[In thousands of dollars, except miles of line operated]

YEAR	Miles of line operated	Investment in carrier property	Other investments	Total current assets	Pipeline operating revenues	Pipeline operating expenses	Pipeline operating income	Net income
1930	88,727	772,711	98,184	133,428	237,910	99,363	121,816	123,741
1935	92,037	763,009	119,071	46,949	197,368	89,384	79,588	78,249
1940	100,166	841,977	64,086	47,103	225,760	101,919	82,558	79,857
1941	105,435	885,817	45,687	56,287	251,685	110,448	81,604	79,468
1942	106,485	918,848	44,526	81,250	245,061	123,507	58,332	56,845
1943	108,788	985,464	39,891	107,501	276,052	148,448	62,620	61,302
1944	111,615	1,000,741	62,767	104,160	310,194	172,368	67,840	65,715
1945	113,351	1,042,523	86,713	115,370	304,268	191,068	67,127	65,941
1946	116,544	1,108,454	69,991	103,819	293,723	188,869	56,485	56,004
1947	119,298	1,225,168	65,455	120,621	325,224	214,082	54,415	53,146
1948	124,092	1,381,402	52,108	108,020	377,034	262,971	58,806	56,670
1949	124,984	1,497,579	78,285	175,458	376,452	249,308	63,282	57,743
1950	128,589	1,655,973	100,798	192,201	441,827	254,701	80,047	81,303
1951	131,457	1,821,880	70,011	232,861	523,973	260,144	91,265	82,006
1952	132,715	2,064,405	107,412	322,677	602,268	310,311	111,063	96,650
1953	133,900	2,311,886	95,970	301,185	591,186	324,935	128,943	109,046
1954	138,902	2,501,330	67,451	315,731	617,403	331,834	149,845	124,409
1955	140,374	2,585,505	80,679	352,762	677,006	340,985	170,257	153,334
1956	142,086	2,716,234	82,453	367,633	737,386	370,787	188,272	178,457
1957	145,236	2,843,034	75,912	304,268	729,962	386,061	182,302	169,107

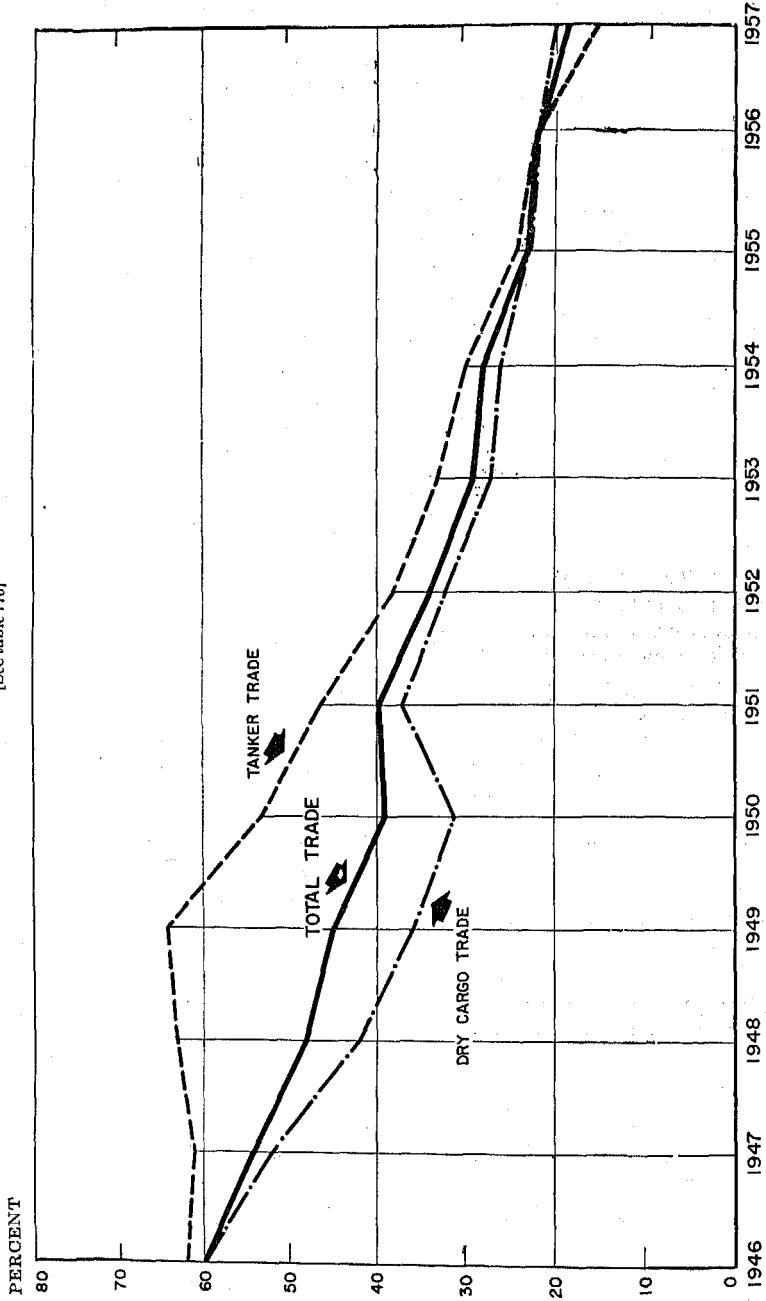
Source: Interstate Commerce Commission; annual reports, *Statistics of Oil Pipe-Line Companies*, and, beginning 1954, *Transport Statistics in the United States*, Part 6.

No. 767. PETROLEUM PIPELINES—OIL TRANSPORTED: 1945 TO 1957

ITEM	1945	1950	1953	1954	1955	1956	1957
Number of companies	74	76	78	81	84	83	82
Mileage operated	113,361	128,589	133,900	138,902	140,374	142,086	145,236
Gathering lines	43,994	47,593	50,030	50,039	50,645	51,336	52,077
Trunk lines	69,357	80,996	83,870	88,273	89,729	91,350	93,159
Oil transported (million bbls.):							
Total received into system	2,370	2,700	3,038	3,703	4,058	4,459	4,485
From connecting carriers, total	937	944	1,342	1,372	1,434	1,601	1,635
Crude oil	869	879	1,265	1,205	1,299	1,443	1,470
Refined oils	78	65	77	106	134	158	165
Originated, total	1,442	1,822	2,206	2,331	2,624	2,858	2,850
Crude oil	1,202	1,525	1,801	1,829	2,038	2,195	2,183
Refined oils	160	297	435	502	580	663	668
Total delivered out of system	2,306	2,740	3,027	3,705	4,039	4,468	4,472
To connecting carriers, total	904	937	1,279	1,355	1,444	1,613	1,690
Crude oil	894	874	1,200	1,260	1,329	1,489	1,447
Refined oils	70	63	79	95	115	125	143
Terminated, total	1,401	1,803	2,349	2,349	2,595	2,845	2,883
Crude oil	1,244	1,510	1,919	1,838	1,992	2,154	2,195
Refined oils	167	293	430	511	603	681	688
Trunk-line movement (million bbls.):							
Crude oil	1,721	1,977	2,597	2,574	2,781	3,062	3,056
Refined oils	228	360	508	607	717	817	876
Trunk-line barrel-miles (billions):							
Crude oil	430	577	756	782	839	936	931
Refined oils	65	107	161	183	205	233	248

Source: Interstate Commerce Commission; annual reports, *Statistics of Oil Pipe-Line Companies*, and, beginning 1954, *Transport Statistics in the United States*, Part 6.

FIG. XXXV. PERCENT OF CARGO TONNAGE CARRIED ON AMERICAN FLAG VESSELS IN THE UNITED STATES
FOR EXPORT AND IMPORT TRADE: 1946 TO 1957
[See table 770]



Source: Department of Commerce, Bureau of the Census.

Section 22

Waterways, Water Traffic, and Shipping

This section presents statistics concerning water transportation, including inland waterways and ocean-borne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. The principal sources of these data are two annual reports issued by the Corps of Engineers of the Department of the Army titled *Waterborne Commerce of the United States* and the *Annual Report of the Chief of Engineers*, Part 2; the Bureau of the Census monthly and annual *U. S. Waterborne Foreign Trade*; and the Bureau of Customs annual *Merchant Marine Statistics*. Data in this field are also presented in the *Annual Report of Commission of Navigation*, issued by the Maritime Administration of the Department of Commerce; *The Bulletin* issued annually by the American Bureau of Shipping; and the *Annual Summary of Merchant Ships Launched in the World* and the *Register Book* published by Lloyd's Register of Shipping of London, England. A basic source for historical data is the Bureau of the Census, *Foreign Commerce and Navigation of the United States*, which was issued annually through 1946.

Data relating to merchandise exports and imports, their classification, dollar values, and countries of origin and destination may be found in section 32, Foreign Commerce.

Units of measurement.—Cargo tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

Vessel shipments, entrances, and clearances.—Shipments by dry cargo vessels comprise shipments on all types of watercraft except tanker vessels, and shipments by tanker vessels comprise all types of cargo both liquid and dry carried by tanker vessels.

A vessel is reported as entered at the first port in the United States at which entry is made, regardless of whether any cargo is unladen at that port. A vessel is reported as cleared from the last port where outward cargo is completed or where the vessel cleared in ballast. Army and Navy vessels entering or clearing without commercial cargo and vessels touching at a United States port in distress, or for other temporary causes without discharging cargo, are not included in the figures.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics, 1789-1945*, series K 132-145") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*, and its *Continuation to 1952*. See preface.

Note.—This section presents data for the most recent year or period available on May 7, 1959, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

WATERWAYS, WATER TRAFFIC, AND SHIPPING

No. 768. WATERBORNE COMMERCE OF THE UNITED STATES—CARGO TONNAGE,
FOREIGN AND DOMESTIC: 1940 TO 1957

[In thousands of short tons. Import and export figures differ slightly from those shown in tables 770 and 771, due to minor differences in basic concepts which are explained in the source. See also *Historical Statistics, 1789-1945*, series K 132-145.]

CLASS	1940	1945	1950	1954	1955	1956	1957
Net total, foreign and domestic	607,900	618,906	820,584	867,640	1,016,136	1,092,913	1,131,401
Foreign commerce, total	111,255	172,094	169,225	213,844	271,103	326,690	358,539
Imports, through seaports	40,740	44,526	96,299	123,503	144,276	163,349	176,236
Exports, through seaports	49,568	100,333	43,640	65,244	95,404	126,448	146,800
Imports, Great Lakes ports	4,118	6,511	5,683	5,921	8,681	10,805	10,116
Exports, Great Lakes ports	16,820	20,724	23,603	19,176	22,742	26,027	25,298
Domestic commerce, net total ¹	496,645	446,812	651,359	653,706	745,033	766,223	772,862
Coastwise, between ports	157,027	90,705	182,544	187,240	195,718	205,910	196,419
Great Lakes, between ports	141,103	157,900	169,881	145,364	184,800	173,991	182,150
Local traffic of seaports, Great Lakes ports, and communities on inland waterways	97,632	97,822	106,906	102,719	112,863	114,364	110,824
Traffic between ports and river ports ²	70,217	87,073	190,780	217,061	249,693	269,734	281,008
Traffic between ports of outlying areas of the United States ³			1,239	1,411	1,951	2,225	2,403

¹ For 1940 and 1945, approximate net total, excluding duplications in domestic traffic.

² Represents traffic among ports and communities utilizing inland waterways exclusively.

³ Included in other types of domestic traffic prior to 1950.

Source: Department of the Army, Corps of Engineers; figures through 1953, *Annual Report of Chief of Engineers, Part 2*; thereafter, *Waterborne Commerce of the United States*.

No. 769. UNITED STATES RECEIPTS AND PAYMENTS FOR INTERNATIONAL TRANSPORTATION: 1947 TO 1958

[In millions of dollars. Data are international transportation transactions recorded for balance of payments purposes (see table 1153). Receipts include freight on exports carried by U. S. operated carriers and foreign carrier expenditures in U. S. ports. Payments include freight on imports carried by foreign carriers and U. S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U. S. imports carried by U. S. carriers is a domestic rather than an international transaction]

ITEM	1947	1950	1952	1953	1954	1955	1956	1957	1958 (prel.)
Total receipts	1,738	1,033	1,488	1,198	1,171	1,420	1,642	1,999	1,644
Ocean transportation	1,593	859	1,242	971	943	1,151	1,837	1,600	1,300
Export freight earnings	1,154	380	550	367	347	448	636	639	466
Privately controlled shipments:									
Coal	257	1	73	9	6	26	22	32	5
Grain	67	23	57	21	21	44	81	70	41
Other dry cargo	608	311	373	302	304	365	414	504	413
Tanker	29	12	21	18	12	12	19	33	7
Military-controlled shipments ¹	193	38	26	17	4	1			
Freight earnings on shipments between foreign countries	100	110	175	103	98	106	140	179	140
Passenger fares	39	20	24	21	24	23	25	24	24
Port expenditures	231	313	402	465	469	562	610	708	656
Charter hire	19	36	31	15	5	12	17	20	15
Other transportation	145	174	246	227	228	269	305	339	344
Total payments	583	818	1,115	1,081	1,026	1,204	1,407	1,564	1,476
Ocean transportation	456	643	911	804	805	946	1,116	1,217	1,071
Import freight payments	141	205	428	423	369	480	597	717	561
Dry cargo	133	255	318	311	288	358	428	517	390
Tanker	8	40	110	112	81	122	174	200	171
Passenger fares	47	121	133	134	130	138	164	133	170
Port expenditures	231	138	190	142	141	153	168	203	166
Charter hire	37	89	160	165	165	175	197	164	174
Other transportation	127	175	204	217	221	258	291	347	405
Receipts balance	1,155	215	373	117	145	216	235	435	168

¹ Represents freight on economic aid only. Freight on military end items not included.

Source: Department of Commerce, Office of Business Economics; *Balance of Payments Statistical Supplement*, 1958 edition, a supplement to the *Survey of Current Business*; *Survey of Current Business*, June 1959, and records.

WATERBORNE IMPORTS AND EXPORTS

587

No. 770. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY FLAG OF CARRIER VESSEL: 1935 TO 1958

[In thousands of short tons. Excludes cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity prior to 1946. Beginning 1946, excludes U. S. Army and Navy cargo, and includes Alaska, Hawaii, and Puerto Rico. Beginning July 1950, excludes commodities classified for security reasons as "special category." From July 1953 through December 1955 and beginning July 1956, exports exclude shipments under \$500 in value regardless of shipping weight; for January through June 1956, exclude those under \$1,000 regardless of shipping weight. From January 1954 through December 1957, imports exclude shipments under 2,000 pounds shipping weight regardless of value, as well as shipments valued at less than \$100 regardless of shipping weight. Beginning January 1958, imports exclude only those shipments valued at less than \$100 regardless of shipping weight.]

YEAR	Total trade	Percent by U. S. flag	IMPORTS BY FLAG OF CARRIER VESSELS				EXPORTS BY FLAG OF CARRIER VESSELS			
			Total	U. S.	Foreign	Percent U. S.	Total	U. S.	Foreign	Percent U. S.
TOTAL										
1935	80,765	31.7	38,042	15,820	22,221	41.6	42,723	9,789	32,935	22.0
1940	105,596	28.7	44,667	17,322	27,345	38.8	60,929	12,939	47,990	21.2
1945 ¹	101,030	68.4	39,426	31,415	8,011	78.7	61,603	37,720	23,874	61.2
1950	169,389	30.3	96,703	42,268	54,435	43.7	62,685	20,379	42,306	32.5
1951	216,292	30.8	100,603	42,836	57,767	42.6	115,600	43,232	72,458	37.4
1952	210,460	34.3	107,421	41,683	65,738	38.8	103,048	30,417	72,630	29.5
1953	199,552	20.0	119,003	38,468	80,535	32.3	80,549	19,448	61,101	24.1
1954	198,863	27.5	120,685	36,291	84,395	30.1	78,178	18,378	59,800	23.5
1955	253,919	23.5	141,123	37,409	103,715	26.5	112,795	22,144	90,652	19.6
1956	305,754	21.0	160,382	39,762	120,620	24.8	145,372	27,424	117,948	18.9
1957	337,422	18.8	172,030	34,558	137,473	20.1	165,302	28,011	136,481	17.5
1958	290,228	18.6	175,604	20,047	154,957	11.8	114,624	18,679	95,945	16.3
DRY CARGO										
1945 ¹	63,083	70.9	21,710	17,053	4,063	78.5	41,367	27,672	13,695	66.0
1950	100,189	31.2	46,611	14,823	31,788	31.8	53,578	16,429	37,149	30.7
1951	151,285	37.1	50,063	17,792	32,261	35.5	101,232	38,866	62,866	37.0
1952	130,101	32.2	50,368	18,517	31,851	36.8	88,733	26,275	62,468	20.6
1953	124,445	20.7	57,302	17,201	40,101	30.0	67,143	16,008	51,135	23.8
1954	124,742	25.0	57,388	16,507	40,881	28.8	67,354	15,796	51,558	23.6
1955	169,231	23.2	68,437	19,855	48,582	29.0	100,794	19,762	81,032	19.6
1956	208,708	21.7	79,787	21,125	58,662	26.4	128,921	24,197	104,723	18.8
1957	220,460	19.6	86,868	10,607	67,261	22.6	142,502	25,438	117,154	17.8
1958	184,468	16.2	79,918	13,590	66,328	17.0	104,555	16,337	88,218	15.6
TANKER CARGO										
1945 ¹	37,947	64.4	17,711	14,362	3,349	81.1	20,236	10,058	10,179	49.7
1950	50,199	53.0	50,092	27,445	22,047	54.8	9,107	3,990	5,157	43.4
1951	65,007	46.0	50,550	25,043	25,506	49.5	14,458	4,866	9,592	33.7
1952	71,368	38.3	57,053	23,166	33,887	40.6	14,315	4,143	10,172	28.9
1953	75,107	32.9	61,701	21,267	40,434	34.5	13,406	3,441	9,965	25.7
1954	74,121	30.2	63,207	19,783	43,514	31.3	10,824	2,582	8,242	23.9
1955	84,688	23.5	72,086	17,654	55,133	24.2	12,002	2,382	9,620	19.8
1956	97,046	22.4	80,598	18,637	61,958	23.1	16,451	3,227	13,224	19.6
1957	107,962	17.1	85,162	14,951	70,211	17.6	22,800	3,473	10,327	15.2
1958	105,700	8.9	95,691	7,067	88,634	7.4	10,069	2,342	7,727	23.3

¹ Excludes U. S. Army and Navy cargo, and Great Lakes.

No. 771. WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY COASTAL DISTRICT: 1945 TO 1958

[In thousands of short tons. See headnote, table 770]

DISTRICT	1945	1950	1953	1954	1955	1956	1957	1958
IMPORTS								
Atlantic ports	30,748	76,082	88,612	90,642	105,900	116,509	123,150	125,358
Gulf ports	5,675	10,930	13,763	16,386	17,345	19,926	21,920	26,264
Pacific ports	3,003	4,095	9,063	7,739	9,038	13,150	16,841	16,098
Great Lakes ports		5,616	7,574	5,918	8,751	10,796	10,119	7,884
EXPORTS								
Atlantic ports	30,609	15,228	27,248	30,380	54,906	73,026	83,544	55,633
Gulf ports	14,737	10,818	19,928	18,589	22,500	31,634	30,020	27,646
Pacific ports	7,258	7,270	11,262	10,617	13,394	15,985	18,599	14,075
Great Lakes ports		23,370	22,111	18,501	21,996	24,727	24,229	17,270

Source of tables 770 and 771: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, releases, and records.

NO. 772. WATERBORNE IMPORTS—SHIPPING WEIGHT ON DRY-CARGO AND TANKER VESSELS, BY TRADE AREA: 1956 TO 1958

[In thousands of short tons. Represents general imports. See headnote, table 770.]

TRADE AREA	1956			1957			1958		
	Total	On U. S. vessels	Percent U. S.	Total	On U. S. vessels	Percent U. S.	Total	On U. S. vessels	Percent U. S.
DRY CARGO									
Trade area, total	79,786.8	21,125.0	26.4	86,867.5	19,606.9	22.6	79,913.2	18,590.1	17.0
Foreign except Canadian	53,844.7	14,783.9	27.5	61,712.8	14,607.9	23.7	60,750.8	11,176.5	18.4
Caribbean	23,179.9	5,520.8	23.9	28,428.4	5,523.1	19.4	30,223.7	4,168.8	13.8
East Coast South America	2,954.7	898.2	30.4	3,761.0	819.2	21.8	2,742.5	467.6	17.1
West Coast South America	6,132.1	2,254.0	36.8	8,337.0	2,661.6	31.9	7,826.5	1,890.0	24.0
West Coast Central America and Mexico	1,025.5	457.2	44.6	1,285.7	481.5	38.3	1,362.3	446.1	32.7
Gulf Coast Mexico	562.1	148.6	26.4	917.1	177.7	19.4	1,046.8	113.1	10.8
United Kingdom and Eire	918.7	273.4	29.8	909.1	237.5	32.7	1,060.7	328.1	30.9
Baltic, Scandinavia, Iceland and Greenland	2,350.2	150.3	6.6	1,818.5	68.0	3.7	1,290.5	66.2	5.1
Bayonne-Hamburg Range	3,508.3	621.0	17.8	3,486.6	539.6	15.5	3,722.6	433.8	11.7
Portugal and Spanish Atlantic	245.6	64.0	26.0	188.3	47.1	25.0	200.7	37.4	18.6
Azores, Mediterranean, and Black Sea	1,932.9	621.3	32.1	1,802.5	528.1	29.3	1,607.7	514.6	32.0
West Coast Africa	2,710.6	337.8	12.5	2,409.6	277.7	11.5	1,930.0	207.6	10.7
South and East Africa	1,585.8	985.7	62.2	1,935.5	1,066.8	54.6	1,493.8	752.3	50.4
Australasia	499.5	208.0	41.8	595.7	252.6	42.4	561.2	202.5	36.1
India, Persian Gulf, and Red Sea	1,786.3	651.5	36.5	1,790.5	468.5	26.2	1,514.1	327.7	21.6
Malaya and Indonesia	676.1	276.6	40.0	585.0	267.3	45.6	486.3	232.6	47.8
South China, Formosa, and Philippines	2,778.1	946.0	34.1	2,620.3	827.1	31.6	2,371.6	566.1	23.0
North China, including Shanghai and Japan	899.0	353.2	39.3	873.3	315.0	36.1	1,301.3	432.1	33.2
Canadian	26,942.0	6,341.1	24.4	25,154.8	4,999.0	19.9	19,156.4	2,413.5	12.6
Pacific Canada	2,438.3	625.8	25.7	2,604.6	616.9	23.7	2,715.3	419.6	15.4
Great Lakes Canada	7,713.5	2,272.9	29.5	7,234.8	2,003.6	27.7	5,601.1	1,386.7	24.4
Atlantic Canada and Newfoundland	16,790.1	3,442.4	21.8	15,315.5	2,378.4	15.5	10,747.0	607.2	5.0
TANKER CARGO									
Trade area, total	80,594.9	18,686.8	23.1	85,162.3	14,951.0	17.6	95,690.9	7,056.7	7.4
Foreign except Canadian	79,447.8	17,532.8	22.1	83,702.6	13,677.7	16.3	95,571.4	7,006.6	7.3
Caribbean	56,864.8	15,291.5	27.0	63,668.1	11,946.8	18.8	68,555.9	6,164.9	9.0
East Coast South America	0.4			128.9	19.4	15.1	318.3		
West Coast South America	136.6	17.8	13.0	83.9	17.6	21.0	55.8		
West Coast Central America and Mexico	89.6	7.9	8.8	87.6	20.8	23.7	94.3	38.8	41.1
Gulf Coast Mexico	3,852.1	890.7	23.1	2,657.8	422.3	15.9	2,124.5	75.5	3.6
United Kingdom and Eire	101.4								
Baltic, Scandinavia, Iceland, and Greenland	68.1			41.9	(1)	(1)	74.0		
Bayonne-Hamburg Range	314.2	27.4	8.7	275.5	34.5	12.5	241.5	32.3	13.4
Portugal and Spanish Atlantic							9.7		
Azores, Mediterranean, and Black Sea	5,214.4	179.9	3.5	1,627.8	237.7	14.6	4,887.9	134.4	2.7
West Coast Africa	9.8							13.2	
South and East Africa	10.4								
Australasia									
India, Persian Gulf, and Red Sea	10,796.0	1,066.0	9.9	11,518.0	957.8	8.3	15,221.0	549.6	3.6
Malaya and Indonesia	1,671.8	51.7	2.6	3,568.1	20.8	0.6	3,678.2		
South China, Formosa, and Philippines	6.7			2.2				18.3	11.2
North China, including Shanghai and Japan	11.5			(1)			229.8		
Canadian	1,147.1	1,104.0	96.2	1,459.6	1,273.3	87.2	119.5	50.1	41.9
Pacific Canada	1,004.2	1,003.5	99.9	1,270.7	1,252.4	97.9	51.4	41.4	80.5
Great Lakes Canada	136.5	100.1	73.3	179.5	20.9	11.6	68.1	8.8	12.9
Atlantic Canada and Newfoundland	6.4	0.3	4.7	0.4					

¹ Less than 50 short tons.Source: Department of Commerce, Bureau of the Census; current summary reports, FT 985, *Waterborne Foreign Trade Statistics*.

No. 773. WATERBORNE EXPORTS—SHIPPING WEIGHT ON DRY-CARGO AND TANKER VESSELS, BY TRADE AREA: 1956 TO 1958

[In thousands of short tons. Covers domestic and foreign merchandise. See headnote, table 770.]

TRADE AREA	1956			1957			1958		
	Total	On U. S. vessels	Percent U. S.	Total	On U. S. vessels	Percent U. S.	Total	On U. S. vessels	Percent U. S.
DRY CARGO									
Trade area, total	128,920.5	24,197.1	18.8	142,591.5	25,437.6	17.8	104,554.3	16,337.0	15.6
Foreign except Canadian	104,127.7	17,806.1	17.1	118,483.3	19,612.5	16.6	87,424.5	12,832.0	14.7
Caribbean	4,397.8	1,209.8	27.5	5,637.7	1,510.8	27.0	4,602.9	978.7	21.3
East Coast South America	4,625.4	959.4	20.7	4,401.2	900.9	20.5	3,086.7	580.3	18.8
West Coast South America	1,660.1	661.4	39.8	1,693.0	711.4	42.0	1,344.4	516.9	38.4
West Coast Central America and Mexico	343.5	101.3	29.5	363.9	111.7	30.7	303.2	89.5	29.5
Gulf Coast Mexico	354.0	0.8	0.2	537.3	12.8	2.4	643.2	193.0	30.0
United Kingdom and Eire	7,944.2	1,111.0	14.0	6,702.5	1,143.1	17.1	5,497.2	938.9	17.1
Baltic, Scandinavia, Iceland, and Greenland	4,076.2	453.2	11.1	4,713.7	604.6	12.8	4,723.5	625.6	13.2
Bayonne-Hamburg Range	40,190.6	8,030.0	9.0	45,718.0	3,605.6	7.9	30,872.1	988.5	3.2
Portugal and Spanish Atlantic	1,046.2	232.6	22.2	1,443.3	329.0	22.8	1,063.2	253.7	24.1
Azores, Mediterranean, and Black Sea	18,199.7	2,750.2	15.1	20,062.4	3,013.5	15.0	15,287.0	2,209.5	14.5
West Coast Africa	716.1	271.0	37.8	826.7	218.6	34.9	462.8	159.0	34.4
South and East Africa	781.6	430.9	58.9	812.0	535.0	65.9	649.2	311.0	47.9
Australasia	774.6	141.9	18.3	753.8	170.5	22.6	677.8	156.3	23.1
India, Persian Gulf, and Red Sea	2,756.6	924.8	33.5	4,663.6	1,713.6	36.7	4,047.8	1,698.2	42.0
Malaya and Indonesia	675.6	294.8	43.6	438.2	153.7	35.5	266.7	103.5	38.8
South China, Formosa, and Philippines	1,923.4	1,002.6	52.1	2,087.1	1,056.5	50.6	1,965.0	993.2	50.5
North China, including Shanghai and Japan	13,711.2	8,030.7	26.5	17,784.0	3,812.2	21.4	11,940.9	2,036.3	17.1
Canadian	24,792.7	6,391.0	25.8	24,165.2	5,825.2	24.1	17,180.3	3,505.0	20.5
Pacific Canada	413.4	143.2	34.6	304.7	122.0	40.0	218.5	67.6	30.9
Great Lakes Canada	23,274.4	6,220.5	26.7	22,624.1	5,675.0	25.1	15,934.3	3,420.6	21.5
Atlantic Canada and Newfoundland	1,104.9	27.4	2.5	1,220.4	28.2	2.3	977.4	7.9	0.8
TANKER CARGO									
Trade area, total	16,451.3	3,227.0	19.6	22,800.0	3,472.6	15.2	10,069.2	2,342.0	23.3
Foreign except Canadian	13,991.4	1,436.6	10.3	20,509.1	2,052.0	10.0	8,462.3	1,383.8	16.4
Caribbean	1,803.0	530.7	29.4	1,901.5	500.8	26.3	1,077.0	137.2	12.7
East Coast South America	463.6	75.3	16.2	672.9	83.7	12.4	297.6	100.9	33.9
West Coast South America	157.4	16.1	10.2	157.0	34.0	21.7	168.3	17.6	10.5
West Coast Central America and Mexico	923.3	39.6	4.3	586.6	49.9	8.5	627.3	70.4	11.2
Gulf Coast Mexico	84.4	2.0	2.4	316.0	10.7	3.4	14.3	8.9	62.2
United Kingdom and Eire	2,623.2	—	—	5,236.5	198.3	3.7	1,090.0	(1)	—
Baltic, Scandinavia, Iceland, and Greenland	433.8	11.4	2.6	911.7	30.5	3.3	274.7	—	—
Bayonne-Hamburg Range	4,597.2	540.3	11.8	5,633.0	349.2	6.3	1,216.3	26.8	12.4
Portugal and Spanish Atlantic	73.0	—	—	164.0	2.5	1.5	44.2	13.5	30.5
Azores, Mediterranean, and Black Sea	952.4	101.4	10.6	1,974.7	287.9	14.6	516.7	232.4	45.0
West Coast Africa	153.6	9.3	6.1	315.0	60.4	19.2	123.1	22.2	18.0
South and East Africa	14.8	—	—	11.5	—	—	39.4	—	—
Australasia	66.7	—	—	37.7	—	—	77.4	13.9	18.0
India, Persian Gulf, and Red Sea	66.2	64.6	97.6	524.9	449.2	85.6	686.5	604.3	88.0
Malaya and Indonesia	17.6	—	—	—	—	—	(1)	—	—
South China, Formosa, and Philippines	29.0	—	—	42.9	—	—	25.4	—	—
North China, including Shanghai and Japan	1,832.1	45.8	3.0	2,128.2	—	—	2,184.1	135.6	6.2
Canadian	2,459.9	1,790.4	72.8	2,290.9	1,420.7	62.0	1,606.9	958.1	59.6
Pacific Canada	955.0	762.4	79.8	779.4	560.4	71.0	538.0	408.4	76.6
Great Lakes Canada	1,309.3	957.6	73.1	1,198.1	746.2	62.3	964.2	549.2	57.0
Atlantic Canada and Newfoundland	195.7	70.5	36.0	313.3	114.1	36.4	109.7	0.4	0.4

¹ Less than 50 short tons.

Source: Department of Commerce, Bureau of the Census; current summary reports, FT 985, *Waterborne Foreign Trade Statistics*.

No. 774. WATERBORNE EXPORTS AND IMPORTS—VALUE OF TRADE, BY COASTAL DISTRICT: 1955 TO 1957

[In millions of dollars]

TYPE OF VESSEL AND COASTAL DISTRICT	TOTAL TRADE			EXPORTS			IMPORTS		
	1955	1956	1957	1955	1956	1957	1955	1956	1957
	Total	17,810	20,774	22,934	9,459	11,485	13,267	8,351	9,289
Atlantic	12,132	13,585	14,604	5,979	6,838	7,622	6,183	6,747	6,982
Dry cargo	11,184	12,470	13,349	5,907	6,757	7,538	5,257	5,722	5,811
Tanker	970	1,108	1,254	78	82	84	897	1,026	1,170
Gulf	3,091	4,026	4,714	2,034	2,843	3,549	1,057	1,183	1,105
Dry cargo	2,842	3,561	4,107	1,840	2,441	3,007	1,002	1,120	1,100
Tanker	250	406	607	195	402	542	55	63	65
Pacific	2,011	2,492	2,874	1,128	1,431	1,675	883	1,061	1,199
Dry cargo	1,850	2,281	2,576	1,040	1,349	1,568	819	932	1,008
Tanker	152	211	208	88	82	107	64	129	101
Great Lakes	576	672	742	318	373	421	258	299	321
Dry cargo	551	648	719	206	382	402	255	286	317
Tanker	25	24	24	22	21	20	3	3	4

Source: Department of Commerce, Bureau of the Census; *United States Foreign Waterborne Commerce*, annual review.

No. 775. WATERBORNE EXPORTS AND IMPORTS—SHIPPING WEIGHT OF PRINCIPAL COMMODITIES IN OCEANBORNE TRADE: 1956 AND 1957

[In thousands of short tons. Exports exclude shipments of under \$500 in value for the periods July–December 1955 and January–December 1957, and under \$1,000 in value for the period January–June 1956; imports exclude shipments of under 2,000 pounds shipping weight. "N. e. c." means not elsewhere classified]

COMMODITY	1956	1957	COMMODITY	1956	1957
EXPORTS					
Bituminous coal	47,653	57,568	Crude petroleum	48,809	53,069
Wheat	12,232	12,448	Iron ore and concentrates	26,309	31,279
Crude petroleum	3,463	6,175	Residual fuel oil	26,714	27,026
Gas and oil distillate fuel oil	3,885	5,972	Aluminum ores and concentrates	6,970	8,839
Iron and steel scrap	5,321	6,900	Gypsum and plaster rock	4,351	4,216
Residual fuel oil	3,320	5,038	Sugar	4,173	4,185
Iron and steel mill products	3,054	4,151	Manganese	2,666	3,254
Corn	2,966	4,150	Chrome	2,223	2,311
Phosphate fertilizer material	3,233	3,488	Bananas	1,654	1,609
Anthracite coal	2,886	2,566	Iron and steel mill products	1,488	1,420
Soy beans, inedible	1,762	2,271	Coffee, raw or green	1,427	1,308
Cotton, unmanufactured	1,253	1,807	Molasses, inedible	1,982	1,305
Sulphur	1,740	1,607	Gas oil and distillate fuel oil	811	1,261
Barley and rye	2,259	1,437	Standard newsprint paper	1,513	1,257
Lubricating oils and greases	1,381	1,306	Pulpwood	956	1,145
Motor fuel and gasoline	946	1,248	Petroleum asphalt	680	1,127
Wheat flour and semolina	1,120	1,238	Nitrogenous fertilizer	915	935
Iron ore and concentrates	1,103	1,127	Nonferrous ores, metals, scrap, n.e.c.	582	704
Industrial chemicals, n.e.c.	992	1,009	Crude rubber and allied gums	704	676
Nitrogenous fertilizer materials	859	995	Copper ore and concentrates	681	668
Inedible animal products, n.e.c.	795	906	Building cement	676	642
Petroleum products, n.e.c.	629	830	Lumber and shingles	730	640
Rice	806	803	Nonmetallic minerals and manufac-tures, n.e.c.	764	617
Coke, including petroleum coke	900	788	Wood pulp	528	507
Lumber and shingles	632	740	Sulphur	227	563

Source: Department of Commerce, Bureau of the Census; *United States Foreign Waterborne Commerce*, annual review.

SELECTED U.S. PORTS

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No. 776. COMMERCE OF SELECTED UNITED STATES PORTS: 1957

[In thousands of short tons (cargo). Excludes Great Lakes. In addition to commerce here shown, many ports have (a) commerce with ports on internal rivers and canals; (b) purely local port traffic]

PORT	Im- ports	Ex- ports	COASTWISE		PORT	Im- ports	Ex- ports	COASTWISE								
			Re- ceipts	Ship- ments				Re- ceipts	Ship- ments							
Total ¹	176,236	146,890	196,307	196,370	GULF COAST PORTS											
ATLANTIC COAST PORTS																
Portland Harbor, Maine, Portsmouth Harbor, N. H.	12,707	228	3,107	354	Charlotte Harbor, Fla.		221				534					
Salem Harbor, Mass.	472	(2)	835	1	Tampa Harbor, Fla.	1,071	3,272	4,717	1,726							
Boston, Mass.	174	(2)	1,094	2	Port St. Joe Harbor, Fla.	6	1,514			3						
New Bedford and Fair- haven Harbor, Mass.	4,976	1,423	11,531	1,148	Panama City Harbor, Fla.	41	53	254	40							
Fall River Harbor, Mass.	25	1	216	13	Pensacola Harbor, Fla.	94	171			10						
Providence River and Harbor, R. I.	386		1,654	32	Mobile Harbor, Ala.	7,047	1,788	530	1,570							
	1,271	102	5,773	504	New Orleans, La.	4,588	10,220	908	9,508							
New London Harbor, Conn.	480		474	306	Baton Rouge, La.	3,002	2,413	183	7,046							
New Haven Harbor, Conn.	873	2	5,244	1,163	Lake Charles, La. ³	106	1,183	148	7,420							
Bridgewater Harbor, Conn.	291	126	1,889	409	Galveston, Tex.	173	3,690	149	897							
Norwalk Harbor, Conn.			474	(2)	Texas City, Tex.	16	1,094	372	7,625							
Stamford Harbor, Conn.			886	25	Houston, Tex.	2,130	8,858	888	24,084							
New York Harbor, N.Y.	32,012	9,901	41,510	10,982	PACIFIC COAST PORTS											
Hempstead Harbor, N. Y.			2,261	3,896	San Diego Harbor, Calif.	124	73	1,336	1							
Huntington Harbor, N. Y.			366		Long Beach Harbor, Calif.	1,497	2,404	820	2,610							
Port Jefferson Harbor, N. Y.			913	(2)	Los Angeles Harbor, Calif.	3,905	2,766	5,513	5,633							
Albany, N.Y.	300	800	3,803	17	San Francisco Bay Area, Calif.	5,833	2,897	10,218	9,927							
Delaware River and tributaries	41,344	6,225	28,920	8,230	Crescent City Harbor, Calif.			197	225							
Baltimore Harbor and Channels, Md.	22,567	9,477	6,401	1,744	Humboldt Harbor and Bay, Calif.	1	86	253	168							
Norfolk Harbor, Va.	2,907	30,076	4,956	4,846	Stockton, Calif.	21	1,408	26	356							
Port of Newport News, Va.	3,260	23,677	67	3,560	Coos Bay, Oreg.	(2)	272	267	705							
Morehead City Harbor, N. C.	102	27	132	18	Portland, Oreg.	305	3,327	5,491	485							
Port of Wilmington, N. C.	388	336	2,551	21	Astoria, Oreg.	14	263	114	61							
Charleston Harbor, S.C.	1,317	474	1,742	126	Vancouver, Wash.	17	918	2	147							
Savannah Harbor, Ga.	2,010	561	1,445	219	Longview, Wash.	118	1,281	244	111							
Jacksonville Harbor, Fla.	1,522	368	3,145	66	Tacoma Harbor, Wash.	646	1,185	498	131							
Palm Beach Harbor, Fla.	496	313	26		Seattle Harbor, Wash.	659	1,544	4,184	663							
Port Everglades Har- bor, Fla.	1,592	153	2,680	149	Bellingham Bay and Harbor, Wash.	789	73	37	11							
Miami Harbor, Fla.	355	129	811	43	Port Angeles Harbor, Wash.	46	41	112	91							
San Juan Harbor, P. R.	1,448	184	1,459	563	Seward Harbor, Alaska.	(2)	8	449	24							
Mayaguez Harbor, P. R.	70	12	167	100	Honolulu Harbor, Hawaii.	67	95	2,277	734							
Ponce Harbor, P. R.	72	194	217	464	Kahului Harbor, Maui, Hawaii.	2	21	155	341							
					Hilo Harbor, Hawaii.	6	6	230	478							
					Nawiliwili Harbor, Hawaii	5	5	61	275							

¹ Includes data for ports not shown separately.² Less than 500 tons.³ Includes Calcasieu River and Pass.Source: Department of the Army, Corps of Engineers; *Waterborne Commerce of the United States*.

No. 777. COMMERCE OF SELECTED GREAT LAKES PORTS: 1950 TO 1957
 [In thousands of short tons (cargo). Comprises foreign, lakewise, and coastwise shipping]

PORT	RECEIPTS				SHIPMENTS			
	1950	1955	1956	1957	1950	1955	1956	1957
Total.....	175,637	193,591	184,934	192,378	193,511	207,588	200,044	207,496
Ashland Harbor, Wis.....	685	451	508	428	5,422	4,527	3,840	3,850
Ashtabula, Ohio.....	10,447	9,455	9,528	9,071	3,302	3,586	3,613	3,338
Buffalo, N.Y., Port of.....	10,458	19,318	19,097	20,336	2,417	2,436	1,832	1,920
Chicago, Ill., Port of.....	15,813	16,872	16,325	14,014	4,093	6,349	8,301	15,016
Cleveland, Ohio.....	17,375	19,744	16,388	18,149	382	358	636	935
Conneaut Harbor, Ohio.....	9,562	14,139	10,063	14,740	2,522	904	998	1,050
Detroit, Mich., Port of.....	21,090	24,295	24,983	24,992	1,268	1,626	1,608	2,146
Duluth-Superior, Minn. and Wis.....	10,117	7,142	7,873	6,678	53,000	61,156	51,500	54,015
Indiana Harbor, Ind.....	10,355	13,695	12,306	(1)	5,182	6,386	6,745	(1)
Lorain Harbor, Ohio.....	8,153	5,563	5,381	5,661	3,284	2,258	2,183	2,510
Milwaukee Harbor, Wis.....	7,387	7,157	6,942	6,947	1,421	1,532	1,649	1,448
Sandusky Harbor, Ohio.....	1	1	14	13	9,822	7,961	8,265	8,376
Toledo Harbor, Ohio.....	4,640	6,504	6,821	6,475	28,307	28,710	28,620	27,574
Two Harbors (Agate Bay), Minn.....	216	99	106	157	18,948	19,004	15,932	19,017
All other.....	43,368	49,156	48,619	37,717	53,122	60,705	64,264	66,233

¹ Included in Port of Chicago, Ill.

No. 778. FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1940 TO 1957
 [In thousands of ton-miles]

SYSTEM	1940	1945	1950	1955	1956	1957
Total.....	118,056,969	142,737,242	163,343,977	216,507,665	219,977,791	231,791,989
Atlantic coast rivers.....	1,585,685	1,036,088	6,497,249	27,042,335	32,306,044	32,599,799
Gulf coast rivers.....	503,451	345,458	1,228,645	13,860,378	15,020,524	15,020,499
Pacific coast rivers.....	1,228,652	1,555,230	1,688,494	4,735,991	5,198,144	5,328,878
Mississippi River System ¹	13,934,427	19,595,193	33,507,816	52,019,333	55,785,536	60,709,711
Other waterways.....	9,524	9,277	7,720	4,530	2,976	2,582
Canal and connecting channels ²	4,787,222	7,167,905	8,638,713			
Great Lakes system.....	95,645,008	113,028,096	111,687,340	118,845,008	110,664,517	117,230,520

¹ Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers.

² Except Great Lakes. For 1955-1957, ton-miles distributed by inland waterway system.

Sources of tables 777 and 778: Department of the Army, Corps of Engineers; figures through 1950, *Annual Report of Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*.

No. 779. FREIGHT CARRIED ON GREAT LAKES SYSTEM: 1957

[In thousands of ton-miles]

AREA	Total	DOMESTIC				FOREIGN	
		Lakewise	Coast-wise	Internal	Local and intraport	Canadian	Overseas
Total.....	117,230,520	100,330,146	85,616	700,046	202,990	15,423,354	488,368
Lake Superior.....	35,817,404	32,295,785	-----	881	122	3,519,657	1,010
St. Marys River.....	6,562,794	5,760,928	-----	145	2	801,556	168
Lake Michigan, including Port of Chicago.....	20,138,240	18,201,349	12,318	486,947	114,922	1,218,876	103,628
Lake Huron.....	26,055,798	23,497,248	8,859	7,601	2,787	3,054,984	84,319
St. Clair River, including channels in Lake St. Clair.....	6,509,014	5,704,834	2,026	1,326	2,981	777,250	20,597
Detroit River.....	3,661,325	3,170,812	2,730	5,043	4,432	456,415	12,884
Lake Erie, including upper Niagara River.....	15,161,313	11,553,049	33,247	89,325	77,743	3,297,461	110,488
Welland Canal.....	433,536	15,530	4,247	14,154	-----	385,595	14,001
Lake Ontario, including lower Niagara River.....	1,630,413	100,981	22,180	83,808	1	1,331,478	82,070
St. Lawrence River, between St. Regis, Quebec, and Lake Ontario.....	860,623	11,626	-----	10,821	-----	580,082	58,084

¹ Comprises Chicago Harbor, North Branch, South Branch, Sanitary Ship Canal, Calumet-Sag Channel, Calumet Harbor and River.

Source: Department of the Army, Corps of Engineers; *Waterborne Commerce of the United States*.

No. 780. FREIGHT CARRIED ON MISSISSIPPI RIVER SYSTEM: 1940 to 1957

[In thousands. Net traffic. Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers]

YEAR	TRAFFIC IN SHORT TONS					TRAFFIC IN TON-MILES				
	Total	Inland	Coast-wise	Foreign		Total	Inland	Coast-wise	Foreign	
				Imports	Exports				Imports	Exports
1940.....	88,080	73,174	9,001	8,157	3,649	13,934,427	11,578,418	1,523,144	385,444	447,421
1945.....	95,543	82,081	4,954	3,114	5,304	19,595,193	17,737,830	849,230	340,228	667,905
1950.....	138,145	114,097	13,877	4,395	5,176	33,597,816	30,281,638	2,074,088	599,288	642,802
1952.....	187,673	132,433	12,553	5,515	7,173	37,066,990	33,302,941	2,057,735	700,448	906,860
1953.....	169,302	142,569	14,182	5,762	6,900	42,357,919	38,289,640	2,333,001	826,018	908,660
1954.....	182,833	136,392	13,830	5,252	7,356	42,609,492	38,703,034	2,118,425	812,446	975,587
1955.....	194,362	163,700	16,060	6,296	8,248	52,019,333	47,417,668	2,473,056	1,046,148	1,082,401
1956.....	212,818	179,267	16,507	7,303	9,601	56,785,587	51,733,280	2,508,090	1,232,001	1,312,210
1957.....	227,028	188,214	17,643	8,536	12,635	60,709,711	54,783,579	2,733,715	1,458,601	1,748,816

No. 781. COMMERCE ON SELECTED RIVERS, CANALS, AND CONNECTING CHANNELS OF THE UNITED STATES: 1940 TO 1957

(In thousands of short tons (cargo). Excludes general ferry traffic and non-regulated car ferry traffic)

WATERWAY	1940	1945	1950	1955	1956	1957
RIVERS.						
Hudson River, N. Y. (Mouth of Spuyten Duyvile Creek to Waterford, N. Y.)	11,516	5,747	14,574	20,203	21,178	20,650
Delaware River, Philadelphia, Pa., to Trenton, N. J.	4,410	4,201	7,086	11,010	11,436	13,631
Delaware River, Philadelphia, Pa., to the sea	27,658	29,558	69,283	86,754	100,181	106,247
Potomac River below Washington, D. C.	3,016	1,936	2,402	3,798	3,760	3,370
James River, Va.	2,649	1,460	3,663	5,107	5,520	5,477
Wilmington Harbor, N. C.	1,735	1,169	4,022	4,693	4,777	4,753
Black Warrior, Warrior, and Tombigbee Rivers, Ala.	1,890	1,492	2,603	4,221	4,409	4,874
San Joaquin River, Calif.	1,048	1,220	1,495	2,414	3,068	3,076
Columbia and Lower Willamette Rivers below Vancouver, Wash., and Portland, Oreg.	15,028	16,635	18,578	19,820	21,036	21,632
Columbia River from Vancouver, Wash., to The Dalles, Ore.	1,884	1,417	2,845	3,216	3,895	3,194
Willamette River above Portland and Yamhill River, Ore.	3,067	2,877	3,948	4,290	4,848	3,578
Illinoian Waterway, Ill.	5,729	6,591	16,421	21,383	23,410	24,234
Mississippi River, Minneapolis, Minn., to the Passes	32,372	43,969	66,923	94,042	104,212	113,414
Allegheny River, Pa.	3,020	2,416	3,594	4,722	5,245	5,352
Monongahela River, Pa. and W. Va.	29,580	26,556	28,510	37,618	36,956	38,421
Kanawha River, W. Va.	4,499	4,400	6,388	7,644	8,370	8,883
Ohio River, Pittsburgh to mouth	20,549	33,868	48,598	71,461	76,377	81,567
Cumberland River, Tenn., and Ky.	852	814	1,047	2,878	3,038	2,667
Tennessee River, Tenn., Ala., and Ky.	2,207	2,163	3,051	9,975	12,299	12,742
FEDERAL CANALS AND CONNECTING CHANNELS						
Cape Cod Canal, Mass.	7,901	14,684	13,625	18,388	14,032	12,192
Inland Waterway from Delaware River to Chesapeake Bay, Del. and Md.	3,705	3,690	7,298	9,151	10,709	9,808
Lake Charles Deep Water Channel, La.	8,601	10,288	12,164	14,901	17,085	19,007
Gulf Intracoastal Waterway, Apalachicola Bay, Fla., to the Mexican border	11,643	23,045	31,520	41,370	45,354	48,104
Sabine-Neches Waterway, Tex.	38,433	26,318	48,385	56,234	62,790	62,638
Port Aransas (Aransas Pass) Corpus Christi Waterway, Tex.	14,180	13,074	21,132	24,330	25,145	23,176
Detroit River, Mich.	18,294	127,045	127,292	132,507	124,850	130,560
St. Marys Falls Canal, Mich.	89,360	112,983	106,140	114,049	108,756	112,803
Grays Reef Passage, Mich.	5,902	4,906	6,045	5,399	6,178	5,937
STATE CANALS						
New York State Barge Canal	4,768	2,969	4,616	4,016	4,858	4,469
Innerharbor Navigation Canal, La.	2,087	1,430	2,338	3,884	4,700	5,883

¹ Reported as "Cape Fear River at and below Wilmington, N. C."

Source of tables 780 and 781: Department of the Army, Corps of Engineers; figures through 1953, *Annual Report of Chief of Engineers*, Part 2; thereafter, *Waterborne Commerce of the United States*.

No. 782. COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL, 1940 TO 1958, AND BY NATIONALITY OF VESSEL, 1958

[For years ending June 30. Comprises ocean-going tolls-paying vessels and foreign naval vessels of 300 net tons and over (Panama Canal measurement) for vessels rated on net tonnage, or 500 tons displacement and over for vessels rated on displacement tonnage]

YEAR	Number of transits	Net tonnage ¹ (1,000)	Tolls (\$1,000)	Tons of cargo (1,000 long tons)	NATIONALITY OF VESSEL, 1958	Number of transits	Net tonnage ¹ (1,000)	Tolls (\$1,000)	Tons of cargo (1,000 long tons)
1940	5,370	24,144	21,145	27,290	Chile	80	491	441	507
1941	4,727	20,643	18,158	24,051	China	54	245	218	407
1942	2,688	11,010	9,752	13,607	Colombia	231	680	609	330
1943	1,922	8,234	7,357	10,600	Denmark	366	1,616	1,413	1,113
1944	1,502	6,073	5,456	7,008	France	85	528	475	443
1945	1,939	8,381	7,244	8,604	Germany	837	3,370	2,915	2,538
1946	8,747	17,517	14,774	14,978	Great Britain	1,203	7,455	6,591	7,370
1947	4,260	20,233	17,597	21,671	Greece	116	630	550	1,051
1948	4,678	22,902	19,087	24,118	Honduras	278	588	486	299
1949	4,703	23,473	20,541	25,306	Italy	191	1,140	1,004	1,109
1950	5,448	28,013	24,430	28,872	Japan	603	3,920	3,510	4,629
1951	5,503	27,180	23,906	30,073	Liberia	898	5,633	4,744	7,802
1952	6,594	30,674	26,928	33,811	Netherlands	206	1,047	912	900
1953	7,410	36,670	31,918	38,095	Nicaragua	81	201	181	141
1954	7,784	38,028	33,248	39,095	Norway	956	4,845	4,101	4,457
1955	7,907	38,558	33,849	40,646	Panama	472	2,012	1,675	2,152
1956	8,209	41,203	36,154	45,119	Peru	64	154	140	224
1957	8,579	43,628	38,444	49,702	Spain	48	181	153	181
1958	9,187	47,924	41,796	48,125	Sweden	200	1,025	907	748
					United States	2,023	11,673	10,270	11,268
					All other	121	482	430	452

¹ Panama Canal net.

Source: Panama Canal Company; *Annual Report*.

No. 783. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY REGIONS: 1936 TO 1958

[In thousands of net tons. Excludes domestic trade]

YEARLY AVERAGE OR YEAR	ATLANTIC COAST		GULF COAST		PACIFIC COAST		Mexi- can border, total	NORTHERN BORDER	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entered:									
1936-1940	30,634	26,925	10,115	5,593	14,108	9,368	663	11,595	5,187
1941-1945	34,914	18,397	6,454	4,463	11,211	6,153	40	15,374	5,060
1946-1950	48,414	35,490	15,396	7,954	10,928	6,546	353	12,360	2,756
1951-1955	64,957	64,693	18,082	11,738	17,263	11,716	345	14,333	3,938
1951	61,906	47,997	15,733	9,730	15,545	8,848	430	14,412	3,412
1952	64,833	52,080	18,328	10,543	17,789	11,133	313	15,112	3,097
1953	60,271	54,855	17,600	11,039	19,079	13,243	335	15,215	3,028
1954	61,952	56,598	18,416	13,096	16,462	12,292	367	12,327	3,528
1955	75,702	61,965	20,323	14,283	17,441	13,063	281	14,597	4,631
1956	86,067	66,503	24,053	15,452	20,424	15,322	241	17,077	5,542
1957	93,420	69,987	27,917	17,057	24,554	18,261	254	16,781	5,460
1958	85,860	71,640	26,551	19,243	23,716	19,276	135	12,806	4,590
Cleared:									
1936-1940	30,472	22,459	11,064	9,601	14,752	13,394	677	11,575	9,412
1941-1945	35,546	27,361	7,636	6,494	13,082	11,288	40	16,489	12,657
1946-1950	47,706	31,273	15,757	13,446	11,032	9,702	332	12,301	10,819
1951-1955	65,261	38,053	17,870	14,269	17,649	15,770	433	14,234	12,002
1951	63,541	41,709	16,268	12,808	16,027	14,829	419	13,979	12,384
1952	63,781	40,013	18,001	15,170	17,531	15,688	391	15,095	12,578
1953	60,170	33,431	17,343	14,021	19,054	17,139	451	15,308	12,957
1954	62,303	32,768	16,881	13,348	17,134	15,097	466	12,225	10,261
1955	70,412	42,336	20,057	14,901	17,897	16,009	440	14,561	11,830
1956	85,930	48,754	24,075	18,687	21,005	17,517	383	16,878	13,558
1957	92,803	53,548	28,042	21,972	24,075	19,491	435	16,624	13,654
1958	86,952	44,302	25,528	18,149	23,216	18,192	306	12,714	10,366

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and current summary reports, FT 975, *Vessel Entrances and Clearances*.

No. 784. VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY CLASSES: 1936 TO 1958

[In thousands of net tons, except number of vessels and percentages. Excludes domestic trade. See also *Historical Statistics, 1789-1945*, series K 146-157]

YEARLY AVERAGE OR YEAR	ALL PORTS				SEAPORTS ¹						
	Num- ber of vessels	All vessels			All vessels			With cargo			
		Total ton- nage	U. S.	For- eign	Percent U. S.	Total ton- nage	U. S.	For- eign	Total ton- nage	U. S.	For- eign
ENTERED											
1936-1940	33,054	67,117	19,243	47,873	28.7	55,521	16,000	39,432	41,951	13,865	28,086
1941-1945	38,997	67,994	34,668	33,336	51.0	52,620	30,059	22,560	28,995	10,877	12,118
1946-1950	48,813	87,462	40,205	41,257	52.8	75,094	42,168	32,926	50,288	26,318	23,970
1951-1955	48,082	114,990	39,459	75,531	34.3	100,057	35,345	65,313	78,407	26,759	51,649
1956	48,466	108,086	44,571	63,515	41.2	93,674	40,482	53,192	66,868	28,005	38,863
1957	50,070	116,375	45,223	71,152	38.0	101,293	40,732	60,532	73,973	28,406	45,477
1958	47,802	112,550	39,319	73,240	34.9	97,344	34,969	62,375	79,410	26,704	52,616
1959	45,651	109,524	38,860	75,664	30.9	97,198	30,133	67,065	82,234	25,167	57,067
1960	48,416	128,405	34,321	94,084	26.7	113,807	30,407	85,400	80,552	25,331	64,220
1961	52,990	147,844	36,247	111,598	25.5	130,707	31,254	99,514	97,442	26,224	71,218
1962	55,308	162,925	35,898	127,027	22.0	146,144	31,191	114,954	105,487	24,928	80,559
1963	48,455	149,097	26,842	122,255	22.0	136,291	23,642	112,648	110,280	19,806	90,474
CLEARED											
1936-1940	82,706	68,541	19,448	49,093	28.4	50,907	16,302	40,665	46,126	13,116	33,009
1941-1945	38,195	71,792	37,288	34,500	51.9	50,304	32,585	23,718	45,147	26,377	18,770
1946-1950	45,135	87,190	44,942	42,244	51.5	74,889	40,933	33,953	54,584	23,510	25,073
1951-1955	45,324	115,447	36,533	75,914	34.2	101,213	35,531	65,682	68,396	25,407	42,089
1956	45,753	110,236	46,763	63,472	42.4	96,257	43,024	53,233	70,756	32,356	38,400
1957	46,501	114,797	43,726	71,071	38.1	99,703	39,273	60,429	71,111	29,451	41,660
1958	44,757	112,935	39,188	73,747	34.7	97,627	34,775	62,852	64,889	24,786	40,103
1959	42,966	109,899	33,579	76,321	30.6	97,074	29,969	67,706	61,561	19,679	41,883
1960	46,642	129,368	34,407	94,961	26.6	114,806	30,615	84,192	73,663	20,763	52,900
1961	50,735	148,209	36,317	111,952	24.5	131,391	31,510	99,881	85,285	21,262	64,023
1962	52,087	162,578	35,118	127,460	21.6	145,954	30,569	115,385	95,379	22,067	73,312
1963	46,115	148,816	26,449	122,366	21.6	136,102	23,324	112,778	81,024	18,711	62,813

¹ Comprises all ports except northern border ports.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States* and current summary reports, F'T 975, *Vessel Entrances and Clearances*.

No. 785. EMPLOYEES IN GOVERNMENT AND PRIVATE SHIPYARDS, 1935 TO 1958, AND BY REGION, 1957 AND 1958

[In thousands. Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power or towed by other craft.]

YEAR	Total	Private yards ¹	Navy yards ²	YEAR AND REGION	Total	Private yards ¹	Navy yards ²
1935	68.5	48.7	19.8	1957:			
1940	180.3	102.7	77.5	North Atlantic ³	97.1	53.1	44.0
1941	377.0	236.0	141.0	South Atlantic ⁴	36.9	17.9	19.0
1942	1,004.0	761.7	242.3	Gulf ⁵	30.6	30.6	
1943	1,655.5	1,336.9	318.6	Pacific ⁶	50.1	15.3	34.8
1944	1,585.6	1,242.5	326.1	Great Lakes ⁷	5.5	5.5	
1945	1,038.9	741.9	292.0	Inland ⁸	4.6	4.6	
1950	145.7	72.0	73.6	1958:			
1951	223.3	102.2	121.2	North Atlantic ³	98.5	56.0	42.5
1952	287.6	134.2	133.4	South Atlantic ⁴	35.8	17.0	18.8
1953	255.0	131.2	128.8	Gulf ⁵	27.9	27.9	
1954	218.3	108.5	109.8	Pacific ⁶	49.7	16.1	33.6
1955	208.0	101.0	107.0	Great Lakes ⁷	4.9	4.9	
1956	211.4	109.8	101.6	Inland ⁸	4.1	4.1	
1957	224.6	126.9	97.7				
1958	220.9	126.0	94.9				

¹ Comprises full- and part-time employees who worked during or received pay for any part of the pay period ending nearest the 16th of the month and have been adjusted to 1st quarter 1957 benchmark levels indicated by data from Government social insurance programs.

² Prepared by Department of the Navy, Bureau of Ships. Beginning 1940, includes Curtis Bay, Coast Guard yard (Md.).

³ Comprises yards bordering on the Atlantic in Conn., Del., Maine, Md., Mass., N. H., N. J., N. Y., Pa., R. I., Vt.

⁴ Comprises yards bordering on the Atlantic in Fla., Ga., N. C., S. C., Va.

⁵ Comprises yards bordering on the Gulf of Mexico in Ala., Fla., La., Miss., Texas.

⁶ Comprises yards in Calif., Oreg., Wash.

⁷ Comprises yards bordering on Great Lakes in Ill., Mich., Minn., N. Y., Ohio, Pa., Wis.

⁸ Comprises all other yards.

Source: Department of Labor, Bureau of Labor Statistics; current data published monthly in *Employment and Earnings*.

No. 786. EMPLOYMENT ON AMERICAN FLAG MERCHANT VESSELS: 1935 TO 1958

[As of June 30 except as indicated. Estimates of personnel employed on U. S. merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by, or operated for, the United States Army and Navy, and special types such as cable ships, tugs, etc.]

DATE	Employment	DATE	Employment	DATE	Employment
1935	56,150	1948	80,250	1957: Mar. 31	60,556
1940	49,810	1949	71,970	June 30	61,059
1941	51,280	1950	61,550	Sept. 30	56,038
1942	47,410	1951	84,300	Dec. 31	55,537
1943 (June 20)	75,000	1952	79,650	1958: Mar. 31	52,941
1944 (June 20)	125,290	1953	72,750	June 30	51,515
1945 (June 20)	158,850	1954	63,850	Sept. 30	51,224
1946 (June 20)	120,050	1955	57,507	Dec. 31	51,040
1947 (Dec. 20)	110,820	1956	57,192		

Source: Department of Commerce, Maritime Administration; records.

No. 787. BASIC WAGE SCALE FOR ABLE-BODIED SEAMEN: 1935 TO 1958

[Represents basic wage, over and above subsistence (board and room), paid to seamen having qualifying experience and employed on American flag merchant vessels. Excludes overtime and fringe benefits]

EFFECTIVE DATE	Monthly wage rate	EFFECTIVE DATE	Monthly wage rate	EFFECTIVE DATE	Monthly wage rate
Jan. 1, 1935	\$55.00	Feb. 1, 1947	\$182.85	Oct. 30, 1954	¹ \$302.00
Jan. 1, 1936	60.00	Oct. 1, 1947	197.50	June 16, 1955	¹ 314.41
Jan. 1, 1937	64.00	Mar. 1, 1948	210.00	Nov. 22, 1955	² 423.00
Nov. 1, 1937	72.50	Dec. 3, 1948	226.00	June 16, 1956	¹ 333.27
Feb. 10, 1941	90.00	Sept. 30, 1950	248.50	Oct. 1, 1956	² 453.00
Jan. 1, 1942	100.00	Oct. 1, 1951	288.00	June 16, 1957	¹ 353.27
Oct. 1, 1945	145.00	Apr. 27, 1952	302.40	Oct. 1, 1957	² 478.00
Apr. 1, 1946	162.50	June 16, 1953	314.41	June 16, 1958	¹ 353.27
June 15, 1946	172.50	June 16, 1954	1 314.41	Oct. 1, 1958	² 478.00

¹ East coast; basic wage rate excludes any overtime payments.

² West coast; effective November 1955 the wage scale is based on 56 hours at sea and 40 hours in port for watch-standers. Penalty overtime is included in the basic wage.

Source: Department of Commerce, Maritime Administration; *Annual Report of Commission of Navigation*, and records.

MERCHANT VESSELS

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No. 788. UNITED STATES FLAG STEAM AND MOTOR MERCHANT VESSELS: 1940 TO 1958

Dead-weight tonnage in thousands. As of June 30, except as indicated. Covers seagoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types and vessels employed on Great Lakes.

YEAR AND TYPE OF VESSEL	ALL VESSELS		ACTIVE VESSELS												RESERVE FLEET		SPECIAL SERVICE	
	Number	Tons	Total		Foreign trade		Domestic trade		Intercoastal		Noncontiguous		Number	Tons	Number	Tons	Number	Tons
			Number	Tons	Number	Tons	Total	Coastwise	Number	Tons	Number	Tons						
1940	1,300	11,019	1,118	9,643	425	3,749	633	5,893	500	4,172	122	1,189	71	532	1,181	1,367	1	10
Combination	140	873	112	6,696	66	514	641	4,882	36	152	129	1	9	45	23	176	-----	-----
Cargo	750	6,020	641	4,882	291	2,443	830	2,458	188	983	109	1	8	53	417	148	1,239	1
Tankers	370	4,126	366	4,066	68	791	297	3,273	276	3,054	12	148	9	70	5	62	-----	10
1945 (Sept. 30)	4,852	50,253	2,332	25,398	1,890	20,592	442	4,807	297	3,480	54	563	91	757	533	4,998	1,557	430
Combination	3,829	36,705	225	16,165	16	127	10	38	101	728	53	561	10	38	23	1,333	213	31
Cargo	1,875	18,833	11,110	1,807	16,200	226	1,910	196	2,751	1	2	72	9	617	450	4,198	1,159	3,208
Tankers	906	12,785	474	7,122	268	4,264	206	2,838	196	2,026	1	101	55	624	365	4,856	12	183
1950	3,408	36,526	1,145	13,828	714	8,253	434	5,474	279	3,716	87	1,131	68	626	96	845	2,177	21,853
Combination	83	6,639	51	4,117	45	3,859	6	66	53	559	6	649	6	28	4	27	23	195
Cargo	2,946	23,627	682	7,075	505	5,867	177	1,708	66	5,000	53	5,000	6	500	42	384	2,122	21,468
Tankers	479	6,969	412	6,335	161	2,697	261	3,737	213	3,157	29	482	9	98	40	434	27	190
1955	3,225	35,017	1,026	12,872	601	6,992	425	5,880	271	3,999	75	996	79	885	89	1,099	1,983	19,687
Combination	249	1,687	40	371	39	361	1	10	43	385	52	561	1	10	14	683	185	1,166
Cargo	2,560	26,639	652	7,033	492	5,383	160	1,650	420	3,614	23	405	13	674	23	285	1,760	18,070
Tankers	426	6,790	334	5,463	70	2,248	264	4,220	228	3,614	23	405	13	201	47	742	38	451
1957	3,092	32,900	1,120	14,901	721	8,406	399	5,555	262	4,082	59	674	78	889	38	437	1,736	17,590
Combination	1,594	41	3,863	38	363	3	30	41	3,675	56	615	3	30	30	30	180	1,277	873
Cargo	2,450	25,412	772	8,324	611	6,649	161	1,675	221	3,684	4	60	65	632	27	250	1,601	74
Tankers	352	6,894	307	5,284	72	1,393	235	3,891	221	3,891	10	147	11	147	11	187	14	50
1958	3,047	33,316	907	11,577	551	6,208	356	5,369	229	3,811	57	803	70	785	106	1,415	1,974	19,543
Combination	238	1,638	39	3,374	36	3,844	3	30	37	3,465	39	443	3	30	3	24	191	1,201
Cargo	2,495	25,125	620	6,714	497	5,248	132	1,365	220	3,973	192	3,466	18	360	57	578	423	17,663
Tankers	384	6,553	248	4,489	28	616	28	616	220	3,973	192	3,466	18	360	57	578	909	55

¹ All inactive vessels.² Includes ships originally constructed as cargo ships but converted to transports, hospital ships, etc., previously included in cargo classification as follows: 1955, 181 ships of 1,124,000 tons; 1957, 177 ships of 1,063,800 tons; 1958, 182 ships of 1,119,560 tons.

Source: Department of Commerce, Maritime Administration; records.

No. 789. MERCHANT VESSELS COMPLETED BY U.S. SHIPYARDS: 1930 TO 1958
 [Represents self-propelled steel vessels of 2,000 gross tons and over]

YEAR	ALL MERCHANT VESSELS		PASSENGER-CARGO/TRANSPORT			CARGO			TANKER		
	Number	Gross tons	Number	Gross tons	Dead-weight tons	Number	Gross tons	Dead-weight tons	Number	Gross tons	Dead-weight tons
1930	18	163,500	5	50,311	39,260	2	15,824	24,000	11	97,365	161,219
1935	2	19,022							2	19,022	29,700
1940	53	444,727	6	68,943	61,222	31	227,275	334,660	16	148,509	288,352
1941	95	749,108	6	68,107	56,515	61	423,022	597,943	28	207,070	434,030
1942	724	5,392,848	11	101,847	81,200	652	4,678,880	6,842,689	61	612,121	982,381
1943	1,661	12,485,029	20	219,760	180,047	1,410	10,103,245	14,921,082	231	2,162,624	3,420,405
1944	1,463	11,403,163	48	461,291	330,311	1,175	8,455,475	11,857,797	240	2,486,397	3,054,957
1945	1,041	7,614,598	46	509,163	311,046	807	5,326,152	7,206,201	188	1,760,538	2,787,397
1950	26	404,617				3	26,854	43,500	23	377,703	608,509
1955	9	119,104				7	34,110	95,289	2	34,994	55,414
1956	8	113,298				2	6,844	15,032	6	106,464	169,377
1957	19	297,350				3	7,885	6,350	16	289,465	456,604
1958	30	571,886	4	60,700	34,707	5	48,211	66,681	21	462,975	759,406

Source: American Bureau of Shipping, New York, N.Y.; published annually in *The Bulletin*.

No. 790. U.S. MERCHANT MARINE—NUMBER AND GROSS TONNAGE OF VESSELS, BY TONNAGE GROUPING: 1958

[As of January 1. Covers documented vessels of 5 net tons or more]

TONNAGE GROUPING	ALL VESSELS		STEAM		MOTOR		SAILING		UNRIGGED ¹	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
Total	41,276	28,586	3,403	22,596	29,585	2,002	185	23	8,103	3,965
5 to 49 tons	24,572	435	37	1	23,729	413	163	2	643	19
50 to 99 tons	3,402	242	74	0	3,035	208	5	(2)	378	28
100 to 499 tons	6,820	1,846	289	62	2,388	477	7	2	4,166	1,305
500 to 999 tons	2,565	1,769	73	52	186	123	5	4	2,301	1,501
1,000 to 2,499	764	1,049	97	156	127	164	2	3	538	726
2,500 to 4,999 tons	284	1,046	115	452	81	298	3	11	85	288
5,000 to 9,999 tons	2,424	17,800	2,389	17,541	33	248	-----	2	-----	11
10,000 to 19,999 tons	338	3,981	332	3,920	6	70	-----	-----	-----	-----
20,000 tons and over	17	406	.17	406	-----	-----	-----	-----	-----	-----

¹ Vessels having no propelling power of their own.

² Less than 500 gross tons.

No. 791. U.S. MERCHANT MARINE—NUMBER AND GROSS TONNAGE OF VESSELS BUILT, AND REMOVED: 1940 TO 1957

[Covers documented vessels of 5 net tons or more. Vessels may be added to merchant marine by way of redocumentation. However, figures are available only for vessels documented. See also *Historical Statistics, 1789-1945*, series K 105-123.]

YEAR	VESSELS BUILT AND DOCUMENTED			GROSS TONNAGE OF VESSELS REMOVED (1,000)				
	Number	Gross tonnage (1,000)		Total	Lost and abandoned	Sold to aliens ³	Sold to United States	All other
		Total ¹	Steam and motor	Unrigged ²				
1940	705	447	386	61	1,607	274	1,114	(4)
1945	1,744	6,314	6,259	55	1,001	138	75	198
1950	861	194	103	91	1,238	163	488	147
1955	1,116	400	117	283	866	68	418	(6)
1956	1,385	446	162	298	890	60	274	557
1957	1,582	585	249	336	1,625	38	679	1,013

¹ Includes small amount of tonnage for sailing vessels for certain years.

² Vessels having no propelling power of their own.

³ Beginning 1954, sold or transferred to aliens.

⁴ Included in All other.

⁵ Less than 500 gross tons.

Source of tables 790 and 791: Treasury Department, Bureau of Customs; annual report, *Merchant Marine Statistics*.

No. 792. U.S. MERCHANT MARINE—SUMMARY: 1920 TO 1958

[As of June 30 for 1920 to 1940; January 1, thereafter. Covers documented vessels of 5 net tons or more. See also *Historical Statistics, 1789-1945*, series K 94-104 and K 124-126]

YEAR	NUMBER OF VESSELS			GROSS TONNAGE OF VESSELS (1,000)							
	Total	Steam and motor	All other	Total	Major class			Material of which built		Type of trade in which engaged ³	
					Steam and motor	Sail- ing	Un- rigged ¹	Metal ²	Wood	For- eign trade	Coast- wise and internal
1920	28,183	18,814	9,369	18,324	18,823	1,272	1,228	12,448	3,876	9,925	6,358
1925	26,367	18,637	7,730	17,406	14,976	1,126	1,304	14,499	2,007	8,151	9,216
1930	25,214	18,211	7,003	16,068	13,757	757	1,554	13,514	2,554	6,296	6,723
1935	24,919	18,495	6,424	14,654	12,535	441	1,677	12,469	2,185	4,560	10,040
1940	27,212	19,504	7,708	14,018	11,358	200	2,406	(4)	(4)	3,638	10,352
1945	29,797	22,772	7,025	32,813	30,247	115	2,452	30,898	1,915	26,043	6,766
1950	36,083	28,793	7,290	31,215	28,327	82	2,806	29,268	1,952	19,154	12,048
1951	36,745	29,420	7,316	30,341	27,424	71	2,846	28,417	1,924	18,876	11,462
1952	37,389	30,189	7,200	30,416	27,450	66	2,891	28,559	1,857	19,279	11,134
1953	38,072	30,701	7,281	30,546	27,507	55	2,984	28,761	1,785	19,007	11,537
1954	39,008	31,565	7,443	30,764	27,631	46	3,087	28,982	1,782	18,974	11,787
1955	39,242	31,882	7,360	29,958	26,702	40	3,125	28,336	1,622	18,143	11,812
1956	39,490	32,030	7,469	29,610	26,251	34	3,326	28,078	1,537	17,765	11,843
1957	40,101	32,423	7,768	29,421	26,785	24	3,612	27,935	1,486	17,265	12,154
1958	41,276	32,988	8,288	28,586	24,599	23	3,965	27,118	1,469	16,206	12,376

AREA OF LOCATION	NUMBER OF VESSELS					GROSS TONNAGE OF VESSELS (1,000)				
	1950	1955	1956	1957	1958	1950	1955	1956	1957	1958
Total	36,083	39,242	39,499	40,191	41,276	31,215	29,958	29,610	29,421	29,586
Atlantic and Gulf ⁴	21,623	23,355	23,298	23,737	24,371	20,420	20,402	19,823	19,642	18,853
Pacific ⁵	10,066	10,687	10,715	10,667	10,701	8,446	7,004	6,129	6,964	6,667
Northern lakes	2,026	2,005	2,000	1,962	1,981	1,628	1,590	1,558	1,569	1,638
Western rivers	2,368	3,195	3,486	3,825	4,223	721	962	1,100	1,247	1,429

¹Vessels having no propelling power of their own.

²Comprises iron, steel, composite, concrete, and aluminum.

³Excludes vessels engaged in whale, cod, and mackerel fisheries.

⁴Not available.

⁵Includes Puerto Rico and Virgin Islands.

⁶Includes Hawaii and Alaska.

No. 793. U.S. MERCHANT MARINE—NUMBER AND GROSS TONNAGE OF VESSELS, BY YEAR OF BUILD: 1958

[As of January 1. Covers documented vessels of 5 net tons or more]

YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons
Total	41,276	28,586,428	1931-1935	2,034	283,407	1948	1,241	211,050
			1936-1940	3,830	818,946	1949	1,147	217,621
Unknown	682	55,013	1940			1950	1,021	224,036
1822-1900	755	288,620	1941	815	462,841	1951	1,130	349,627
1901-1905	626	388,156	1942	1,632	3,230,361	1952	1,139	461,768
1906-1910	925	800,840	1943	2,150	6,128,553	1953	1,386	650,832
1911-1915	1,302	313,186	1944	2,153	4,081,233	1954	1,319	609,884
1916-1920	1,697	437,804	1945	1,793	4,155,933	1955	1,262	433,197
1921-1925	1,886	457,440	1946	1,502	598,665	1956	1,552	485,247
1926-1930	3,346	653,095	1947	1,401	268,770	1957	1,582	585,048

Source of tables 792 and 793: Treasury Department, Bureau of Customs; annual report, *Merchant Marine Statistics*.

No. 794. MERCHANT VESSELS LAUNCHED AND OWNED, FOR THE WORLD AND THE UNITED STATES: 1935 TO 1958

[Vessels of 100 gross tons and over. Beginning 1941, excludes sailing ships, nonpropelled craft, and all ships built of wood]

YEAR	WORLD				UNITED STATES			
	Launched		Owned		Launched		Owned	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
1935.....	1,040	12,595	30,970	64,886	117	1244	3,585	12,773
1940.....	495	1,754	(2)	(2)	167	579	(2)	(2)
1945.....	1,311	7,189	(2)	(2)	880	5,968	(2)	(2)
1950.....	990	3,480	27,922	83,990	51	437	4,531	27,404
1951.....	1,002	3,639	28,374	86,678	58	164	4,484	27,226
1952.....	1,065	4,394	28,751	89,630	64	468	4,458	27,139
1953.....	1,134	5,098	29,174	92,826	68	528	4,481	27,144
1954.....	1,223	5,251	29,766	96,809	46	477	4,404	27,252
1955.....	1,437	5,315	29,967	100,060	26	78	4,225	26,343
1956.....	1,815	6,670	30,620	104,720	50	169	4,157	26,074
1957.....	1,950	8,501	31,421	109,778	54	359	4,116	25,843
1958.....	1,936	9,270	32,857	117,578	64	732	4,054	25,526

¹ 1935-1939 average.

² Not recorded.

Source: Lloyd's Register of Shipping, London; records.

No. 795. MERCHANT FLEETS OF THE WORLD—NUMBER AND AVERAGE AGE OF VESSELS, BY TYPE OF VESSEL AND COUNTRY OF REGISTRATION: 1957

[Vessels of 1,000 gross tons and over. As of December 31. Specified countries have 100 or more ships]

COUNTRY OF REGISTRY	TOTAL		COMBINATION, PASSENGER AND CARGO		FREIGHTERS		BULK CARRIERS		TANKERS	
	Num-ber	Aver-age age (years)	Num-ber	Aver-age age (years)	Num-ber	Aver-age age (years)	Num-ber	Aver-age age (years)	Num-ber	Aver-age age (years)
		(years)		(years)		(years)		(years)		(years)
World total.....	16,293	14.7	1,251	18.5	11,261	15.3	763	16.2	3,018	10.3
United States.....	3,046	13.3	231	13.6	2,398	13.4	89	12.4	378	12.1
Government owned.....	2,034	13.7	194	13.8	1,780	13.7	51	13.2	51	13.2
Privately owned.....	1,012	12.4	37	12.7	609	12.7	39	12.4	327	11.9
Foreign.....	13,247	15.0	1,020	19.6	8,863	15.8	724	16.4	2,640	10.1
Argentina.....	143	18.5	22	16.5	72	18.9	3	35.0	46	18.4
Australia.....	124	13.2	12	20.5	81	12.3	31	12.8	27	6.1
Brazil.....	196	24.6	28	41.5	133	25.0	5	35.6	23	13.0
China.....	153	27.6	18	34.8	107	29.0	9	33.4	20	20.6
Costa Rica.....	122	31.2	—	—	100	30.8	12	34.5	1	38.0
Denmark.....	330	11.4	26	22.2	244	11.2	7	22.8	54	5.8
Finland.....	239	25.9	7	38.5	106	26.2	17	31.4	19	14.5
France.....	594	9.5	65	10.8	364	9.2	37	11.5	128	9.0
Germany.....	818	10.8	24	10.7	710	10.2	40	19.6	44	12.2
Greece.....	250	18.6	22	26.4	199	16.9	9	34.4	20	20.6
India.....	113	12.4	12	17.9	99	11.8	2	8.0	—	—
Italy.....	696	20.0	73	18.0	445	22.1	32	21.8	141	14.0
Japan.....	743	10.2	22	19.0	620	10.3	18	14.3	88	7.1
Liberia.....	894	10.2	7	26.4	496	12.1	46	9.3	345	7.2
Netherlands.....	887	11.6	88	17.1	356	10.8	6	5.8	128	10.4
Norway.....	1,212	9.0	33	11.3	701	11.4	31	12.3	447	7.1
Panama.....	560	20.1	19	29.5	318	24.1	42	19.0	183	12.1
Spain.....	306	31.8	47	23.7	207	35.9	14	34.2	38	18.1
Sweden.....	584	14.3	29	20.1	414	15.6	47	18.4	94	7.4
Turkey.....	138	34.2	33	27.0	95	37.3	2	53.5	8	23.1
United Kingdom.....	2,517	11.3	202	14.9	1,491	11.2	253	11.5	571	10.0
U.S.S.R.....	787	25.2	71	31.1	557	26.2	20	31.3	89	11.9
All other	1,191	17.1	156	18.1	842	16.7	49	22.8	144	16.3

¹ Includes the following countries with less than 100 merchant type ships (1,000 gross tons and over) under their registry: Belgium, Burma, Bulgaria, Canada, Ceylon, Chile, Colombia, Cuba, Czechoslovakia, Dominican Republic, Ecuador, Egypt, Ethiopia, East Germany, Ghana, Honduras, Hungary, Iceland, Indonesia, Ireland, Israel, Korea, Lebanon, Mexico, Monaco, Morocco, New Zealand, Nicaragua, Other Colonies (British Commonwealth), Pakistan, Peru, Philippines, Poland, Portugal, Rumania, Saudi Arabia, Switzerland, Syria, Thailand, Union of S. Africa, Uruguay, Venezuela, Viet-Nam, Yemen, Yugoslavia, and unknown.

Source: Department of Commerce, Maritime Administration; *A Statistical Analysis of the World's Merchant Fleets*, December 1957.